RFC Surplus Plant Policy Set—Page 3

Oil, Paint and Drug Reporter

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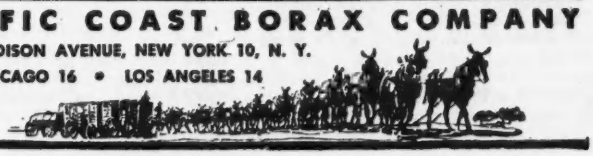

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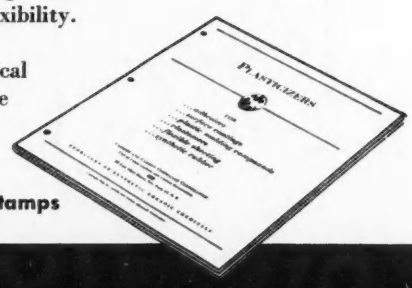

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Stream Pollution Hearings Open

OPD Washington Bureau

Hearings were opened before the house committee on rivers and harbors November 13 on legislation for federal control of stream pollution. The committee has three bills on this subject under consideration, H. R. 519, H. R. 587, and H. R. 4070, ranging from outright prohibitions against discharge of waste matters in streams to a cooperative program of Federal aid to States in controlling this problem.

Surgeon-General Thomas Parran of the United States Public Health Service and John K. Hoskins, chief of the Division of Sanitary Engineering of the USPHS, told the committee that the time has come for a clear expression of governmental policy on the problem of water pollution, which is doing an estimated $100,000,000 of damage annually. George Peabody of the Associated Industries of Maine appealed for caution in pressing for federal action and urged that the problem be left to solution by the States.

General Parran argued that it has now become generally recognized that there is needed a federal program of stream pollution control in which both states and industries cooperate in meeting the problem. He advocated a 16-year program, costing $100,000,000 annually, and legislation setting up a central federal agency (USPHS) to coordinate and advise the States on pollution problems, authorize States to enter into compacts, appropriate funds for gifts to States to further their programs, and appropriate funds for loans to industry.

One of the important functons of the central control committee, he added, would be in carrying on research on he utilization of recovered wastes.

Mr. Hoskins testified that the greatest problem now is finding a way for treatment of waste from synthetic rubber manufacture. No successful treatment yet has been discovered, he said. The waste from plants manufacturing TNT is also very difficult of treatment, he added. Methods are being developed now for treatment of waste from wood pulp industries, which was one of the big problems of the past. The principal contributors of acid wastes in the Ohio River he said are abandoned coal mines.

German Peroxide Work Survey Is Published

OPD Washington Bureau

Preliminary progress reports on investigations made subcommittees of the Technical Industrial Investigating Committee on German production of hydrogen peroxide and "foamed" coal, were issued November 15 by the Office of the Publications Board of the Department of Commerce.

Report No. 80 relating to hydrogen peroxide was prepared by Commander J. McAulay, RNVR (Britain); Dr. Daniel B. Clapp, OSRD (USA); Lt. Col. V. W. Slater, M. of S. (British), and Capt. K. A. Cooper, M. of S. (British). The report also touches on the subject of German production of hydrazin hydrate and calcium (sodium) permanganate.

"Foamed" coal is discussed in report No. 376, which is the substance of an interrogation of Dr. Julius Schmitt, Dr. Ludwig Schmitt, and Dr. Heinrich Schmitt, of the firm of Dr. Heinrich Schmitt-Werke, K. G. Berchtesgaden.

N.Y. Railroad Rate Raise Suspension Asked

New York State Attorney-General N. L. Goldstein has asked the Public Service Commission to suspend, pending investigation, any tariff schedules which railroads may file seeking a 10 percent increase in freight transportation rates within New York State.

In RFC Post

Col. John S. Cooke has been named deputy director of the Office of Surplus Property of the Reconstruction Finance Corporation, in charge of producers and capital goods disposal. Col. Cooke, who is a holder of the Legion of Merit award for his work in the Army, transferred to the RFC in August after four years service in the Army. Before going on active duty with the Army. Col. Cooke was with William S. Gray & Co., New York.

Concannon Helps Launch Peruvian Zinc Project

OPD Washington Bureau

Charles C. Concannon, chief of the Chemicals Unit of the Bureau of Foreign and Domestic Commerce, returned to Washington, November 14, from a five-month stay in Peru, where he ac ed as a consultant adviser to the Peruvian government on programs for the industrial development of the country.

Among the plans mapped out under Mr. Concannon's advice and direction is one calling for construction of an electrolytic zinc industry capable of producing from 100 to 200 tons a day. The byproduct sulphuric acid from this plant would be used for the manufacture of fertilizers. Power for the plant is to be supplied by a hydroelectric plant being constructed in the immediate vicinity; which will probably start in operation early in 1947. While the contemplated program calls for South American control, operations will be under American management.

The Santa Corporation, a government instrument established several years ago for development of the country industrially, probably will operate the electricity, seaport, and railroad facilities, while production of the fertilizers, zinc, and also lead, would be privately controlled.

Barbiturates Uniform Control Asked

OPD Washington Bureau

Resolutions approving the formulation of a uniform state law to control misuse of barbiturates, endorsing establishment of a separate branch in the government devoted exclusively to development of small business, and supporting legislation removing antitrust bars to collective buying and bargaining by retailers were adopted at the third annual joint meeting of the executive committees of the American Pharmaceutical Association and the National Association of Retail Druggists held here November 9.

More than two dozen resolutions were approved at the meeting touching on a variety of subjects in the fields of legislation, public relations, education and standards, professional and interprofessional problems. The A. Ph. A. acted as host to the groups. Dr. George D. Beal of the A. Ph. A. presided and Frank Moudry, of the N. A. R. D., served as co-chairman.

Chemical Plant Disposal Policy Is Recommended

OPD Washington Bureau

Recommendations were made to Congress this week by the Surplus Property Administration that those chemical plants built during the war, which have a prospective peacetime use, be sold or leased to private industry and that immediate steps be taken to dismantle and sell for salvage all other chemical plants for which no peacetime operation is feasible.

The recommendations were contained in an extensive report on chemical plants and facilities made in conformity with the provisions of section 19 of the Surplus Property Act of 1944. Copies of the report are available from the Surplus Property Administration.

The report reveals a total government investment of about $3,400,000,000 in 94 chemical plants costing more than $5,000,000 each. Of these only 33 plants representing a government expenditure of less than $1,000,000,000 had been declared surplus as of September 1. The larger portion of the total investment is in ammunition, shell and bomb loading, and assembly plants, of which there are 45, costing approximately $1,500,000,000, and explosives plants, of which there are 23 costing nearly $1,400,000,000. Others are 10 synthetic ammonia plants, two alcohol plants, four toluene plants, and 10 classified as miscellaneous chemical plants.

In connection with the ammunition assembling and loading plants, the report points out that few can be converted to any other uses except light mechanical manufacturing, and disposal of whole plants will be very difficult. Thirteen of the loading plants contain facilities for graining ammonium nitrate, however, it was noted, which may be of value for the production of fertilizer especially if coordinated with the disposal of the synthetic ammonia plants.

Commenting on the synthetic ammonia, nitric acid and ammonium nitrate plants, the report states:—

The government has invested more than $200,000,000 in ten synthetic ammonia plants, having a combined design capacity of about 800,000 tons of fixed nitrogen per year. These include eight ordnance plants, of which six have been declared surplus, one DPC plant, and one belonging to the TVA. Four plants have facilities for producing ammonium nitrate solutions. The nitric acid facilities located in the explosive plants and the ammonium nitrate graining facilities found in the ammunition loading plants have a definite relationship to the ammonia plants. The disposal of these types of plants and facilities must be considered in the light of the postwar

—Continued on page 44

Soda Nitrate Supply Down 25% for 1945-6

The necessity for early movement of nitrate of soda into domestic agricultural consuming channels was stressed by the Civilian Production Administration, November 15, in a statement reviewing the prospective availability of this material for the coming fertilizer season.

Nitrate of soda is supplied largely by Chile and a domestic plant in Virginia. Chile is heavily committed for delivery to Egypt and the European countries, however, and United States imports from Chile scheduled to arrive in the fertilizer season 1945-46 will not exceed 650,000 short tons. Thus, it is estimated that total supplies of foreign and domestic nitrate of soda will not exceed 75 percent of the tonnage delivered to agriculture in the season of 1944-45 to the States east of the Rocky Mountains.

CPA said that the deficiency can be supplied in part by ammonium nitrate, cal-nitro, and uramon, provided shipments are made as fast as domestic material is produced.

Another reason for expediting early withdrawals of nitrate of soda, if available, is the current deficiency of sulphate of ammonia required for mixed fertilizers. This shortage may cause a lack of sufficiency nitrogen in Spring application of mixed fertilizers, thus making it desirable to be prepared for heavy top dressing nitrate of soda applications.

Explosives Rubber Lined Tankcars Rules Made

The Interstate Commerce Commission has amended section 14 of the appendix to Part 3 of its regulations governing the transportation of explosives to permit the use of a newly developed safety vent on rubber lined tankcars.

The amendment states that except for hydrochloric (muriatic) acid of 22° Baume strength, and other fuming acids, safety vent of approved design equipped with frangible discs having ⅛ breather hole in the center thereof, or a safety vent of approved designed equipped with carbon discs permitting continuous venting, may be used.

The new vent has been in experimental use for the past two years and is an improvement over the lead disc type of vent in use heretofore.

Kidd to Direct Surplus Disposal in So. America

Philip C. Kidd, Houston, Texas, former Lend-Lease adviser, has been appointed FLC Field Commissioner for Latin America to direct the disposal of overseas war surplus and residue, it was announced by Foreign Liquidation Commissioner Thomas B. McCabe.

Offices will be opened at Panama and Rio de Janeiro Brazil, in the near future. Preliminary arrangements have been made by a FLC group headed by Col. Clarence D. Barker.

A.P.M.A. to Meet

The American Pharmaceutical Manufacturers Association will hold its mid-year meeting in the Waldorf-Astoria hotel, New York, December 10 and 11.

Sulphuric Production Stopped at Copper Hill

OPD Washington Bureau

Operations at the East Tennessee Ordnance Works at Copper Hill, Tenn., with a daily capacity of 700 tons of 60-degree sulphuric acid, were closed down at midnight November 13 with the cancellation by the Defense Plants Corporation of its lease with the Tennessee Corporation, operator of the plant.

The acid produced by the plant was being used for the manufacture of superphosphate in the Southern States. The stopping of production by this plant should not be confused with the Tennessee Corporation's own plant at the same location. This plant is still operating and only the government's plant has ceased.

FTC Chairman Freer Up for Reappointment

OPD Washington Bureau

President Truman has nominated Robert E. Freer, of Ohio, for reappointment as Commissioner of the Federal Trade Commission for a term of seven years dating from September 26, 1945, when his term last expired. The nomination was forwarded to the senate for confirmation November 14.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

Nov. 15, 1945	Nov. 8, 1945	Nov. 17, 1944
133.9	133.8	133.2

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Plant drugs and aromatic oils were last week again prime movers in the general elevation of price views in the markets for chemicals, oils, and drugs. They got some help from quicksilver and white mineral oils. Inventories, stockpiles, and other reserves, plus continued reticence on the part of buyers, kept the price situation unchanged with reference to heavy industrial materials and large volume synthetics.

Some revising of ideas there was with respect to the volume of supplies of several groups of chemicals after the first of the year. Estimates were trimmed on nitrate of soda, sulphuric acid, some nonferrous metallics, and other heavies. There was, as yet, but little sign of the anticipatory buying which was indicated by conditions.

Late Markets

Superphosphate Output

Superphosphate production for September was the equivalent of 462,210 tons of 18 percent a-p-a. Stocks at the end of the month were 644,841 tons, according to the National Fertilizer Association.

Domestic Flaxseed Arrivals

Receipts of flaxseed totaled 120,870 bushels at New York, shipped by rail from the Northwest, for the week ended Friday.

Nichols Medal Won By Dr. W.M. Stanley

Dr. Wendell M. Stanley, internationally known biochemist of the Rockefeller Institute for Medical Research at Princeton, N. J., has been awarded the William H. Nichols Medal of the New York Section of the American Chemical Society for his discoveries in the chemistry of viruses which started mankind on a new road toward conquest of some of its deadliest diseases.

Dr. Stanley upset the prevailing belief as to the origin of disease in 1935 when he announced that he had isolated in crystalline form a disease-producing virus and had used it to reproduce the disease. By thus showing that infectious diseases are not necessarily caused only by microorganisms and their toxins, as had been generally supposed, he opened a new field of investigation in the fight to provide immunity against such maladies as influenza, infantile paralysis, encephalitis and the common cold.

Du Pont Plastics Research Posts for Graves, Burk

Appointment of Dr. George De Witt Graves and Dr. Robert Emmett Burk as assistant chemical directors of the plastics department has been announced by E. I. du Pont de Nemours & Co., Wilmington. Both have already been assisting John L. Brill, chemical director of the department, but they now will have charge of all phases of plastics research under Mr. Brill. The assistant director posts are newly created.

Atwill Heads Pacific Coast Oil Geologists

E. R. Atwill, of the Union Oil Company, has been elected president of the Pacific Coast section of the American Association of Petroleum Geologists. Vincent Vandiver, of the Seaboard Oil Company, was made vice-president and A. S. Holston, of the Tide Water Associated Oil Company, was made secretary-treasurer.

Obituaries

E. Leidy Brendlinger

E. Leidy Brendlinger, president of the Dill Company, pharmaceutical manufacturer, Norristown, Pa., died

E. Leidy Brendlinger

November 12. He was fifty-two years of age.

Mr. Brendlinger started his business career with the Dill Company in 1915, the year in which he graduated from the University of Pennsylvania. He was a former president of the Philadelphia Drug Exchange and was sec-

—*Continued on page 42*

Proprietary Ass'n Section Meeting Dec. 5

The Scientific Section of the Proprietary Association will hold a meeting in the Biltmore hotel, December 5. The program follows:—

"Streptomycin, a New Antibiotic," by Dr. Charles W. Mushett, Merck Institute for Therapeutic Research, Rahway, N. J.

"Insect and Rodent Control," by John M. Snyder, Snyder & Snyder, Consultants, Washington, D. C.

"Postwar Changes and Trends in Medicinal Drugs," by Dr. Edward C. Merrill, United-Rexall Drug Company, Boston, Mass.

"Sulphaiodines and Their Derivatives. Their Nonselective Bactericidal Effects in the Presence of Paba, Serum, and Blood," by Dr. Paul Goedrich, Rutgers University, N. J., College of Pharmacy.

"Government Control of Foods and Drugs," by W. W. Hosler, vice-president of Strong, Cobb & Co., Cleveland, Ohio.

"Studies in the Preservation of Liquid Pharmaceutical Preparations. I. The Relationship Between the Preservative Action of Alcohol and the Solid Content of the Preparation," by I. W. Grote and Peggy Walker, the Chattanooga Medicine Company, Chattanooga, Tenn.

"Mosses and Lichens," by William S. Finkensieper, technical director, Peek & Velsor, Inc., New York.

"New Products in the British Pharmacopoeia Addendum, of 1945, a Review," by Louis M. Roeg, Merck & Co., Rahway, N. J.

"The National Formulary," by Justin L. Powers, American Pharmaceutical Association, Washington, D. C.

"Resistance of Staphylococcus Aureus Cultured in Synthetic, Semi-Synthetic, and F.D.S. Media," by George F. Reddish, Lois B. Wood, and Vera L. Burlingame, Lambert Pharmacal Company, St. Louis, Mo.

"Status of Tyrothricin in Relation to Other Antibacterial Agents," by John Henderson, M.D., Johnson & Johnson, New Brunswick, N. J.

A meeting of representatives in the fields of human and veterinary medicines will meet December 6 to discuss whether or not it is feasible to organize a group who will sponsor a research program covering the basic studies of drugs used in manufacturing medicines.

R.S. Huffman Joins Continental Car-Na-Var

R. S. Huffman has joined the Continental Car-Na-Var Corporation, Brazil, Ind., as chief chemist. Mr. Huffman was formerly chief chemist for the Sherwin-Williams Company and technical director of foundry and laboratory technician for the Chrysler-Dodge Company.

Fertilizer Association Studies Greater Service

Atlanta, Nov. 14. 1945

Resuming its meetings after a period of war interruption, the National Fertilizer Association held its nineteenth annual Southern convention in the Atlanta-Biltmore over the past three days. The gathering of some 200 members reviewed the contributions of the industry to the progress of agriculture, and it was evident that, knowing it had met the heavy demands of war food production, it could meet all the needs of soil fertility without any help—or interference—on the part of the Federal government in unwarranted spending of taxpayers' money.

The convention looked far in the direction of the welfare of the South in the light of the declaration by Hon. Henry Grady, Georgia's famed governor, that "the South will come into its own when its fields are green in the Winter." Keeping pastures green was explained and evaluated by R. H. Lush, the association's pasture specialist. The same theme, with emphasis on the profit that would evolve for Southern agriculture and those who serve its needs, was interestingly presented from a wealth of individual experience by Hugh M. Comer, president and treasurer of Avondale Mills, Sylacauga, Ala., one of the South's most ardent believers in its ability greatly to improve its economic status.

Data on expectable supplies of fertilizer materials were given to the meeting by J. W. Wizeman, chief of the inorganics branch of the Civilian Production Administration division of chemicals. World supplies are low and will stay low for at least another year. The situation in the United States is not gloomy, but the ensuing season will not see as much nitrate of soda or potassic salts available as there was last year. Uncertainties in the coal and steel industries are reflected in supplies of fertilizer minerals.

The problem of distribution and the necessity of its solution were emphasized by Edwin F. Dakin, of Hill & Knowlton, public relations counsel of the association, in a discussion of the ecologic services of business. Primary consideration of public needs and public interest was urged to replace shortsighted views on public sentiment. And businessmen were advised to learn and to practice the fundamentals of public leadership.

(A more detailed account of the N.F.A. Atlanta meeting will be given in OPD *next week.)*

Hercules Names Gant Parlin Plant Manager

Charles H. Gant has been appointed manager of Hercules Powder Company's Parlin, N. J., plant. He succeeds Edward G. Crum, who has been appointed assistant general manager of the cellulose products department, in Wilmington, Del.

An engineer at the Parlin plant during the first World War, Mr. Gant has served as plant manager at two Hercules-operated Government explosives plants during World War II. From 1919 until 1942 he was secretary and manager of the Marine Terminal in Wilmington, Del. He rejoined Hercules Powder in 1942 as manager of the New River Ordnance Plant at Pulaski, Va., and was transferred the following year to Badger Ordnance Works, Baraboo, Wis., where he has served as manager until the present.

Rubber Conference To Open November 20

OPD Washington Bureau

A conference on rubber problems will open in London, November 20, the Department of State has announced. Donald D. Kennedy, chief of the international resources division of the State Department, will represent the United States. His advisers will include P. W. Litchfield, chairman of Goodyear Tire & Rubber Company; John L. Collyer, president, B. F. Goodrich Company, and Harvey S. Firestone, jr., president, Firestone Tire & Rubber Company.

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Bids Wanted

Black Alum:—20,000 pounds, Purchasing Agent, District Government, Washington 4, D. C.; schedule 7604, opening November 26.

Caustic Soda:—Purchasing Agent, Post Office Department, Washington 25, D. C.; invitation 1102, opening November 19.

Water Emulsion Floor Wax:—1,100 gallons, Chief, Supply Division, Federal Works Agency, Public Buildings Administration, Office of Buildings Management, Washington 25, D. C.; invitation 961-11-30-B, opening November 20.

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Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Nothing has been said about it publicly, but Attorney-General Clark is understood to have shelved quietly the crystal ball plans of the Department of Justice of foretelling what the future holds if this or that program is followed in disposal of surplus war plants. Unless he suddenly changes his mind, the report just submitted to Congress on disposition of surplus steel plants is the last of these economic studies that will be made by the department.

The idea that the department engage in broad studies of economic effects of disposition of surplus was plants was initiated by former Attorney-General Biddle. Three such reports were sent to the capitol, one on surplus aircraft plants, another on aluminum and magnesium, and finally steel. But Mr. Clark feels that there are too many ways in which the department can go off the deep end in its conclusions, and become the subject of ridicule and criticism. Economic planning isn't a function of the Justice Department, he feels, so why should it stick out its neck.

It is not Mr. Clark's intention to remove the department entirely from the plant disposal picture. It will continue to give advice on particular problems raised in the disposal program, but he prefers to wait until these problems present themselves before the department acts.

No Narcotic Surplus

It is improbable that any of the surplus narcotics left over from the war will ever find their way into commercial channels. The Bureau of Narcotics is the designated disposal agency for these drugs and it hasn't any intention of selling them to private industry.

There are two primary reasons for adoption of this policy:—(1) Fear that the drugs released would find their way into the illicit trade; and (2) it is doubtful whether any practical use could be made of the drugs. Most of them were put up in a form for emergency first aid treatment and the danger of releasing them for this use by the public is obvious.

It is not understood that there is any great surplus of narcotics and what is available for disposal probably will be turned over to other governmental agencies for experimental work. At least that is the present intentions of the bureau.

Buy Fertilizers Early

Farmers are being urged again by the Department of Agriculture to follow the practice of the war years and do their buying of fertilizers early. Aside from the fact that the probable output of fertilizers for the coming season is a questionable estimate because of materials shortages, there is the very strong probability that, if the farmers wait until the last minute to place their orders, they will create an acute problem of production and delivery congestion.

Early purchases and farm storage of fertilizers provide insurance against the possibility of running short at planting time, L. B. Taylor, of the Production and Marketing Administration, points out. The early movement of fertilizer is the key to a plentiful and satisfactory distribution of plant food in 1946 just as it was in the previous years.

Although started as a wartime necessity, the practice of farmers' storing fertilizers during the Winter months has demonstrated its practicability and advantage to the user. Last Spring about 30 percent of all the fertilizer used had been in farm storage for at least a part of the Winter.

Redeployment of Doctors

Protests against the delays that have been encountered in the Army's point discharge of doctors are still pouring in on members of Congress. They are becoming progressively more bitter in tone and are conducive to much ill-feeling in the future unless early steps are taken to rectify it, either by the Army itself or Congress.

There is evidence of the development of a feeling among the doctors of a sinister purpose back of all the delay in the redeployment program. One of the correspondents asked his congressman the other day:—Is somebody among the planners and experts on what is good for the American people trying thus to hamstring the program of private medical care at home by holding us as hostages until the situation becomes unbearable and the people demand government intervention in their medical care?

Another point being raised is the effect of these delays on future of the Medical Reserve Corps of the Army. The men are saying that they plan to have nothing to do with the corps after the war.

Renegotiation Rule Revised

Attention is called to the fact that an important revision of the renegotiation regulations has just been issued, affecting the recognition to be given costs or expenses incurred by business firms in winding up war contracts. Copies of the new regulation should be obtained by all war contractors and read carefully. It is known as revision 21.

The effect of the new regulation has been stated by one official to be that all costs and expenses connected with getting out of war business will be recognized for purposes of renegotiation, but that no costs connected with getting into peacetime business will be allowed.

No time limits within which recognizable costs or expenses must be established are contained in the regulation, but a new regulation will be forthcoming shortly defining the time factors, and in a manner it is believed likely, to be considered satisfactory by contractors. Probabilities are that under some circumstances costs or expenses incurred any time in 1946, directly attributable to closing up renegotiable war business, will be recognized.

Amino Acids Addition Makes Foods Special

OPD Washington Bureau

The Food and Drug Administration has ruled that foods to which amino acids have been added will be regarded as a food for special dietary use and must, therefore, be labeled to conform to the regulations of section 403 (j) of the food, drug, and cosmetic act.

In its first public announcement on the use of amino acids in food preparations, the administration said that these acids cannot be added to any food for which a definition and standard has been promulgated, but there are no prohibitions against the addition of this substance to foods for which there are no definitions and standards other than those that relate to misbranding.

If an amino acid is added as a racemic mixture of two optical forms of which only one form can be utilized, the ingredient statement must indicate that a racemic mixture is used, but in complying with the regulations under section 403 (j) only the quantity of the active form of the acid shall be declared. Careful consideration must, of course, be given to the provisions of the act, that the labeling shall not be false and misleading in any particular.

The statement of policy was issued in response to a request for the administration's views on the use of amino acids in both foods and drugs. After pointing out the labeling requirements of the law, the FDA commented further in a letter to the inquirer on some of the pertinent facts relating to proteins. This comment included the following:—

There is no evidence that amino acids added to foods will accomplish anything that cannot be accomplished by proper use of proteins as they occur naturally in our foods. And need for adding amino acids to foods may, therefore, be viewed in the light of adequancy of protein intake. The most common recommendation for protein intake is 1 gram a day for each kilogram of body weight, or 70 grams for the average adult male. This figure is intended to provide a factor of safety of approximately 50 percent in excess of the average minimum requirement of a person living on an ordinary mixed diet.

There is insufficient information to provide a basis for setting standards for amino acid dosage, but amino acid preparations intended to supply needs as food must supply these acids in substantial quantities. This is true whether the product is administered orally or parenterally. Recently there came to my attention a request for comment on a proposed label for a preparation of amino acid tablets. The directions for use recommended taking three tablets a day. Three tablets were represented to contain a total of five milligrams of the ten essential amino acids with quantities of individual amino acids ranging from 0.1 milligram to 1.0 milligram. Such tablets are obviously of no value. Preparations of protein hydrolysates may be so dilute that it would be impractical to administer an effective dose of amino acids.

Monochloracetic Acid Warning Issued by FDA

OPD Washington Bureau

Warnings were served on all beverage and food manufacturers by the Food and Drug Administration, November 15, that it plans legal action against any interstate shipments of beverages and foods which contain added monochloroacetic acid.

The DAF said that it has found that certain manufacturers of solutions of monochloroacetic acid are marketing this substance under representations which may readily give the impression that monochloroacetic acid may safely and legally be used as an ingredient in beverages and other foods.

Monochloroacetic acid, the agency stated, is a poisonous and deleterious substance, and this has been established by scientific investigation and confirmed in contested court cases.

Under the law, it was pointed out, the addition of any poisonous or deleterious substance to a food is prohibited "except where such substance is required in the production thereof or cannot be avoided by good manufacturing practice," in which event a tolerance may be fixed by regulation. No tolerance for monochloroacetic acid in beverages and other foods has been established, since it has not been shown that its use is necessary, it was stated.

OITO Gets FEA Jobs In Commerce Department

OPD Washington Bureau

The Office of International Trade Operations has been established in the Department of Commerce to administer export control and other important functions transferred to the department, effective October 20, from the Foreign Economic Administration.

Arthur Paul, from the textile industry, who has been serving as executive director of the FEA Bureau of Areas, has been placed in charge of the new office by Secretary Henry A. Wallace.

FEA functions transferred to the Department of Commerce include export control, responsibilities in the field of technical industrial intelligence under directive of the United States Joint Chiefs of Staff, the facilitation of trade including functions affecting foreign and domestic trade, and liquidation of parts of the Foreign Economic Administration not otherwise provided for in the executive order of transferal. The export control activities to be taken over will be administered with the same personnel, procedures, and regulations now employed by FEA. License applications on FEA forms, whether addressed to the Office of International Trade Operations, Department of Commerce, Washington 25, or to the Foreign Economic Administration, will be processed by the OITO requirements and supply branch.

Consumer Goods Surplus Disposal Head Named

Merritt Penticoff, Assistant Administrator of the Surplus Property Administration, will be loaned to RFC to serve as temporary director of the Office of Surplus Property, Consumer Goods Division, RFC, the Surplus Property Administration has announced. Mr. Penticoff will fill the position left vacant by the resignation of W. S. Bradley, who directed consumer goods surplus disposal under the Department of Commerce before it was transferred to RFC.

DDT Warning on Use In Agriculture Issued

OPD Washington Bureau

The Food and Drug Administration warns that promiscuous use of DDT in agriculture may lead to adulteration of food and is cautioning producers and handlers of food against use of the new insecticide unless there is no other insecticide available of less toxic strength.

In a reply to an inquiry as to the status under food, drug, and cosmetic act of foods containing DDT, the FDA said:—

The Federal food, drug, and cosmetic act defines a food as adulterated if it contains any added poisonous or added deleterious substance not required in the production of the food. When the substance is so required the quantity present should be so restricted that the health of consumers is not jeopardized.

Under these provisions of the law DDT should not be employed on food crops or in the storage, handling, or manufacture of food unless it is required. In determining whether or not DDT is required there should be taken into account the availability of insecticides that are less toxic than DDT. There is grave question concerning the propriety of the use of DDT on such crops as leafy vegetables, since safer insecticides such as the pyrethrins and rotenone are available.

No question is raised concerning the use of DDT on such fruits as apples and pears, since it is less toxic than the other commonly used insecticides for these crops, such as lead arsenate and cryolite. In any event, the quantity of DDT used should be held to the minimum reasonably necessary for protection. For the present the Food and Drug Administration will not take action against apples and pears containing not more than seven milligrams of DDT per kilogram of fruit.

Estrogens Labeling Explained by FDA

OPD Washington Bureau

The Food and Drug Administration has made public the following excerpts from a letter it has forwarded to a correspondent seeking information on the labeling of estrogens:—

The term "natural estrogen" in our opinion means estrogenic material as it occurs in and is obtained from natural sources such as pregnant mares' urine, stallions' urine, human pregnancy urine, follicular fluids, etc., in contradistinction from estrogens synthetically produced, such as stilbestrol. Estradiol may be either a natural estrogen or it may be produced synthetically by hydrogenation of estrone. Its manner of production would determine whether or not it is a natural estrogen.

"Natural estrogen" is not recognized in any of the official compendia. There is no official standard for such an article. The proportions of estrone and estradiol in "natural estrogen" doubtless vary with the source. It has been reported to us that the estrogenic material obtained from pregnant mares' urine ordinarily contains as much as 85 percent to 90 percent of estrone. That, of course, does not mean that an article containing 90 percent estrone is necessarily a "natural estrogen." Whether or not an estrogenic preparation is "natural" depends upon its source, not upon the proportion of estrone contained in it.

Labeling of an estrogenic preparation in a manner indicating that the active ingredient has been derived from a natural source such as pregnant mares' urine is regarded as a violation of the Federal food, drug, and cosmetic act if in fact the article has been prepared by a partial or complete reduction of the estrone in the original material, or if estradiol has been added to it to increase its potency or its solubility in oil, or for any other reason. Any evidence which demonstrates such manipulation, particularly inspectional evidence, will be sufficient to form the basis of legal action. There will be no disposition on the part of the Administration to limit its investigations in this field to chemical examinations to demonstrate the truth or falsity of labels of products of this kind with reference to their compositions.

Diethylstilbestrol Product Labeling Defined

OPD Washington Bureau

The Food and Drug Administration has modified its requirements with respect to the labeling of diethylstilbestrol preparations to allow use of the statement that physicians should familiarize themselves with the use of the product before it is administered and to offer full directions and contra-indications on request.

U.S.A., Jr.

As I walk down Main Street once more with my boy, I realize what V-J Day really meant to him . . . to me . . . to every American. The day that started the clock of Peace ticking again around the world.

Men coming back from every corner of the earth—to their homes, their families, their friends, their jobs. Coming back with the knowledge that their service has made a world of peace for their children, a healthy world full of promise and opportunity for these junior members of the U. S. A. The price of peace has been exorbitant and we all understand the need for the Eighth War Loan. There will be no more. Invest in the U. S. A. of tomorrow . . . Buy VICTORY BONDS today.

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6-Amino-2-carbamido-3-benzeneazopyridinium Methosulphate

Pharmaceutical—Water-soluble dye claimed (U.S. 2135293) valuable for medicinal use.

Cetyl Borophosphate

Chemical—Starting point (Brit. 409-598) in making wetting, cleansing, emulsifying, and bleaching agents by combining with hydrogen peroxide.

2:4:6-Diethylbutylphenol

Petroleum—Antioxidant (U.S. 2257-869, 2257870, 2257871, and 2257872) for insulating oils (used in conjunction with small amounts of normal tetrahydrofurfurylparaaminophenol or trithiophenyl phosphate).

N-Ethylpyridinium Chloride

Rubber—Accelerator (U.S. 2131244 and 2131245) in vulcanizing processes.

Gammadiethylaminopropyl 3:4-Dimethoxycinnamate-Hydrochloride

Pharmaceutical—Claimed (U.S. 2251-287) as local anesthetic.

Kerosene-Cresolsulphonic Acids, Quinoidin Salt

Insecticide and Fungicide—Claimed (U.S. 2233407 and 2233408) as fungicide.

1-Para-aminobenzenesulphonamidobenzothiazole

Pharmaceutical—Claimed (Brit. 517-272) as therapeutically useful new compound.

Pentaethyleneglycol Dibeta-ethylbutyrate

Paint, Varnish, and Lacquer—Plasticizer (U.S. 2229222) in laquers.

Softening agent (U.S. 2229222) in lacquers.

Plastics—Plasticizer (U.S. 2229222) for various compositions.

Softening agent (U.S. 2229222) for various compositions.

Textile Foundation Hears Research Projects Reports

The various research projects of the Textile Research Institute and the Textile Foundation, now in progress in their laboratories at Princeton, N. J., were reported at the technical sessions of the Institute at its annual meeting in New York, November 9.

At the luncheon, Prof. H. D. Smyth discussed the subject of atomic energy. Professor Smyth, chairman of the department of physics at Princeton University, is the author of the official report on the development of the atomic bomb.

Following this meeting was a technical session under the chairmanship of Dr. Henry Eyring, professor of physical chemistry at Princeton University, and director of research for the Textile Foundation. "The Behavior of Bleached Fabrics Toward Acid and Alkali" was the subject of a report by Dr. Eugene Pacsu, professor of chemistry at Princeton University and member of the Textile Foundation staff. During the course of this study some important conclusions have been reached with respect to the action of soaps and other detergents on fibers and fabrics of cellulose which have previously been subjected to oxidation by bleaching agents.

Prof. Adams Adviser To General Clay

Prof. Roger Adams, head of the department of chemistry in the University of Illinois and chairman of the board of directors of the American Chemical Society, has been appointed special adviser to Lieutenant General Lucius DuB. Clay, deputy military governor of Germany and U. S. deputy member of the Allied Group Control Council in Berlin.

Hercules Personnel Head

Clark B. Kingery has been appointed assistant director of personnel of Hercules Powder Company, Wilmington, Del. He has been with the company's cellulose products department since 1925. He is a graduate of Grinnell College, Grinnell, Iowa, where he received a degree in chemistry in 1925.

Oil Chemists Review Research Activities

A total of thirty-four papers on soaps, drying oils and general subjects were presented at the nineteenth annual Fall meeting of the American Oil Chemists' Society, held Nober 7-9 at the Hotel LaSalle, Chicago. Chairman of the Chicago committee on arrangements was George A. Crapple of Wilson & Co. Business transacted by the governing board on November 5, with President Robert R. King of the interstate Cotton Oil Refining Company, Sherman, Tex., as chairman, comprised the following actions.

Approval of an annual award of $1,500 to a graduate student for research; inclusion of fiber and ash, lecithin and soyaflour in studies made by the technical committees, and authorization of a study on the part of the special committee on section development within the society to coordinate the technical committees with the sections in the forthcoming revised edition of the official methods of analysis, which is to be brought out soon under the direction of V. C. Mehlenbacher, of Swift & Co., Chicago, technical editor.

Sections in the new edition will be (a) vegetable oil source materials, (b) oil seed by-products, (c) commercial fats and oils, (d) soap and soap products, (e) sulphonated oils, and (f) glycerin. Specifications and oil characteristics will also be included to apply to the foregoing sections.

The board selected Chicago as the 1946 meeting place for Fall, following previous acceptance of New Orleans for the annual meeting in the Spring.

German Plastics Industry To Be Discussed Dec. 4

The Society of the Plastic Industry will hold a dinner meeting in the Hotel Roosevelt, December 4. John M. De Bell will discuss "Observations on the German Plastics Industry," and Captain George Nalle, U. S. Army Air Force, will speak on "Molded and Fabricated Plastics in Germany." Mr. De Bell was a consultant and adviser to the Quartermaster General, to the Chemicals Branch of the War Production Board and to the Rubber Director. He was a member of the "Plastics Industry Team" which went to Germany to investigate the plastics industry.

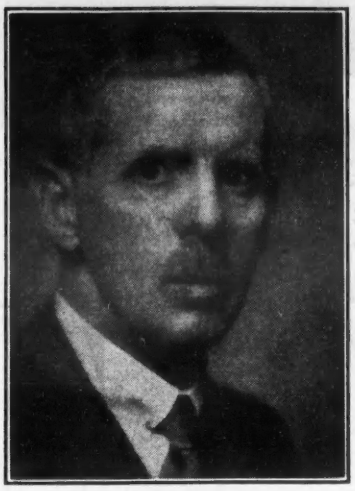
Col. Cushing Returns To Entomology Bureau

OPD Washington Bureau

Col. Emory C. Cushing, who earned a citation for typhus control in European combat areas, is returning to the Bureau of Entomology and Plant Quarantine later this month, when his military leave ends, to resume direction of the Division of Insects Affecting Man and Animals. Dr. Walter E. Dove, who had charge of this work for the past three years, is resigning to enter private industry.

Arthur Gibbs Retires From Pennsylvania Salt

Arthur E. Gibbs, advisory technical director of the Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., and the firm's first director



A. E. Gibbs

of research, has retired, to return to his home in England, Dr. S. C. Ogburn, jr., manager of research and development, has announced.

Mr. Gibbs joined Pennsylvania Salt in August of 1903 to develop the first electrolytic cell. The Gibbs cell was completed and commercially introduced by 1904, thus making possible practical large-scale manufacture of liquid chlorine for the first time. Five years later, in 1909, Pennsylvania Salt shipped the nation's first tankcar of chlorine from its Wyandotte, Mich., plant.

Following the development of the chlorine cell at Wyandotte, Mr. Gibbs in 1908 was chosen as the company's first director of research with the organization of the department at Wyandotte. In 1912 the director and his staff were moved to the Greenwich plant near Philadelphia, where the newer research and development department was established. In 1915, Mr. Gibbs moved to the general offices of the company as manager of research and development and remained at that post until 1930. He then resigned his position to continue as a member of the department in the capacity of advisory technical director.

Boxcar Demurrage Orders Are Issued

Emergency measures to speed up loading and unloading of boxcars in order to relieve the present serious boxcar shortage have been announced by Col. J. Monroe Johnson, director of the Office of Defense Transportation and Interstate Commerce Commissioner.

In order to overcome delays in rail freight movements, the ICC issued two orders, one of which places heavy demurrage charges on loading and unloading of boxcars and the other requires railroads promptly to unload all freight cars which are their responsibility to unload.

The demurrage order on boxcars was issued, it was explained, because boxcars are being delayed unduly in loading and unloading, thus causing a shortage of equipment. The action is taken in ICC Service Order No. 369, which is practically identical with ICC Service Order No. 242, issued for periods in the Fall of 1944 and the Summer of 1945. The new order became effective at 7 a.m., November

—Continued on page 54

Jeffreys Laboratories Making Fungus Enzymes

Jeffreys Laboratories, Inc., Salem, Va., has started production of fungus enzymes. The company has developed a new process for the manufacture of wheat syrup. A new company is being formed in Pennsylvania to use this process.

The officers of the corporation are as follows:—George A. Jeffreys, president; William M. Earlh, jr., vice-president, and James B. Taney, secretary-treasurer.

CWS Honors Chemical Advisers

Ten leaders of the chemical industry were presented with certificates of appreciation by the War Department at a luncheon in the Chemists Club, New York, November 14. The awards were presented by Brig.-General William N. Hartt, of the Chemical Warfare Service, who has been appointed chief of the Chemical Warfare Service by President Truman and recommended for advance in rank to major-general. Those honored were:—

Henry L. Derby, president of the American Cyanamid & Chemical Corporation, New York; E. M. Allen, chairman of the board of the Matheson Alkali Works, New York; Harry F. Atherton, president of the Allied Chemical & Dye Corporation, New York; James M. McLaughlin, vice-president of the Union Carbide & Carbon Chemicals Corporation, New York; George W. Merck, president of Merck & Co., Rahway, N. J.; Charles W. Munson, president of the Air Reduction Corporation, New York; Lamont du Pont, chairman of the board of E. I. du Pont de Nemours & Co., Wilmington, Del.; Charles Belknap, chairman of the executive committee of the Monsanto Chemical Company, St. Louis, Mo.; Willard H. Dow, president of the Dow Chemical Company, Midland, Mich., and Warren N. Watson, secretary of the Manufacturing Chemists Association, Washington, D. C.

These ten executives served without compensation on the chemical advisory committee of the Army-Navy Munitions Board since 1939, and as members of the Advisory Board to the chief of the Chemical Warfare Service since 1942.

At a press conference following the presentation, Harry L. Derby, president of the American Cyanamid Company, estimated that the industry will spend $200,000,000 for new plants and production facilities within the next three years. He said that the industry was now spending approximately $50,000,000 a year on basic research. Mr. Derby said that petroleum chemicals will be one of the major production developments of the chemical industry in the next few years.

Lammont du Pont, chairman of the board of E. I. du Pont de Nemours & Co., in discussing the peacetime expansion program of the chemical industry, said that many of the surplus government plants built for war production are not ideally located for private industry, from the point of view of raw materials supplies, adequate sources of manpower and product markets. Mr. du Pont added that the size of many of the plants mitigates against their use by private industry.

Nobel Chemistry Prizes Are Awarded

Prof. Wolfgang Pauli, atomic research expert for the Institute of Advanced Studies, Princeton, N. J., has been awarded the 1945 Nobel Prize in physics. Prof. Otto Hahn, German authority on radio-activity and the atom, has been awarded the 1944 prize in chemistry, and Artturi Wirtanen, Finnish biochemist, has been awarded the 1945 prize.

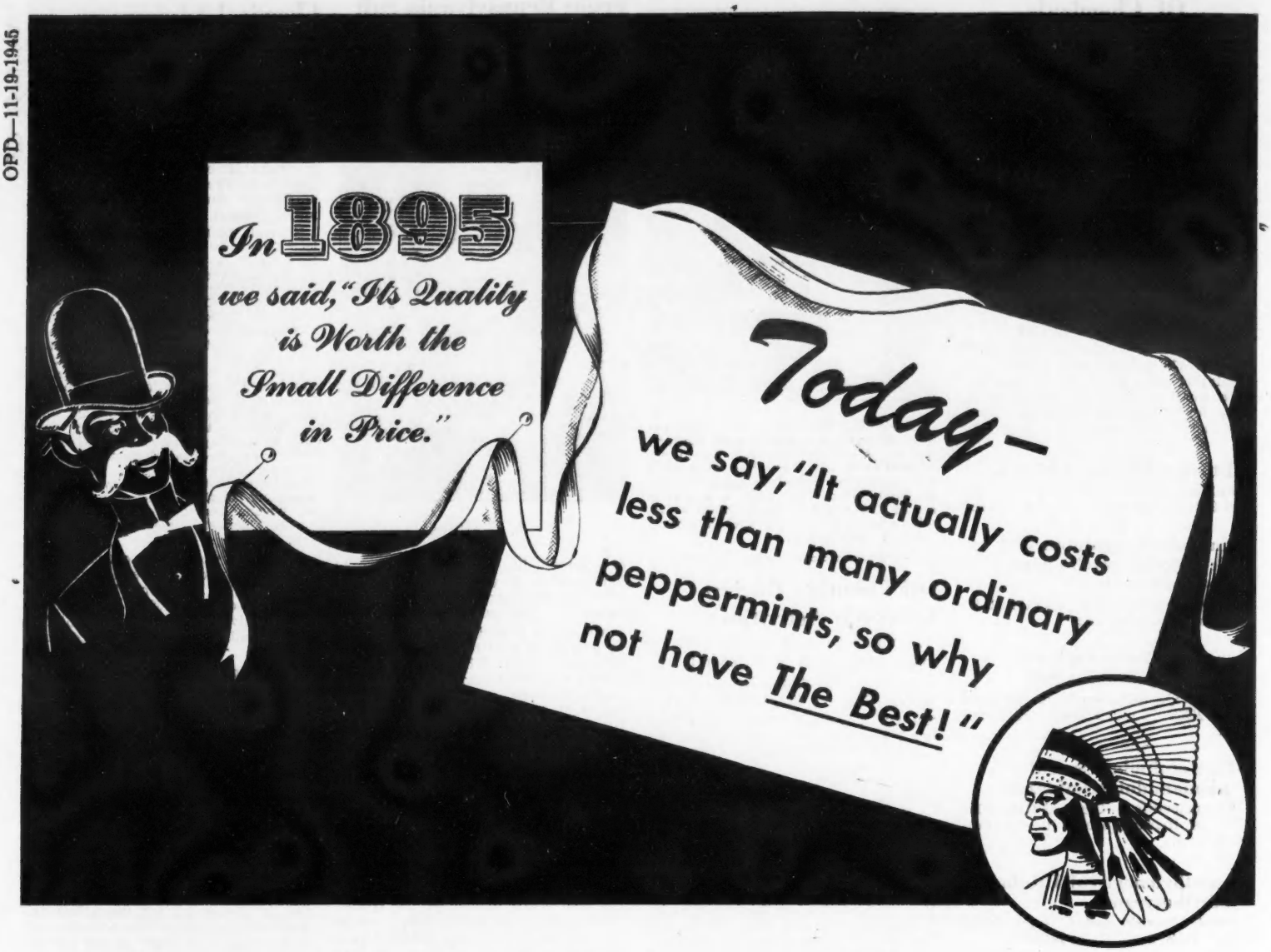
Prof. Hahn received the 1944 chemistry award for discovery of a method of breaking the heavy atom nucleus. He is credited with the discovery of the substances of radiothor, mesothorium and protactinium. Wirtanen received the 1945 award for discoveries relating to agricultural and food chemistry.

Medical Care Parley In New York Nov. 26

The sixth annual conference on the extension of medical care will be held at the Waldorf-Astoria, New York, November 26. Dr. Claude Robinson will speak on "What People Think About the Distribution of Medical Care and Payment of Costs"; Dr. Herbert D. Simpson, "Preliminary Report on Nationwide Study of Physician-Sponsored Medical Care Plans," and Dr. Morris Fishbein, editor of the Journal of A.M.A., on the "Federal Subsidy for Hospitals and Scientific Research—Pending Legislation—Postwar Medical Service—Position and Prospects."

Pest Control Ass'n Elects

National Pest Control Association has re-elected officers and directors. The association will hold its 1946 convention in New Orleans, La.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Current Market Quotations Chemicals and Related Materials

November 15, 1945

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs. .....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs. .....lb. .35 - .37

Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1] dms., c.l., dlvd.lb. .07 - .08
l.c.l., dlvd.....lb. .07½- .08½
tanks, dlvd.....lb. .06 - .07

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works, lb. .90 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½- —

Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.38 - 5.63
70%, bbls.....100 lbs. 6.68 - 6.96
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.09 - 7.35
80%, bbls.....100 lbs. 9.26 - 9.51
USP, 36%, cbys.....lb. .08 - .16

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb.-lots.. .45 - —
smaller lots, same basis.. lb. .46 - .59
standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .26½- —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous,[6] tech. (see Arsenic, White).
USP, powd., dms., kgs.....lb. .20 - .22

Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24 50 - —
25-50-kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works... 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.55

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up....lb. .54 - —
1,000 to 3,900 lbs. up....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. .95 - —

Boric,[3] tech., 99.5% cryst. (same as prices for powder), gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00- —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —

Bromears, bbls.....lb. 1.11 - —

Acid, cacodylic, bots.....lb.13.50 -15.50
Camphoric,[6] cns.....lb. 6.95 - 7.00
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms..lb. Nominal
Chlorosulphonic, dms., c.l., wks., lb. .06 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic,[6] 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't, lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls.....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17½- .19½
Corn oil, s.l.,[1] dms., c.l., wks. lb. .12 - —
Cottonseed oil,[1] s.d., ret. dms., c.l..lb. .12 - .13
tanks, dlvd.....lb. .11¼- .12¼
Cresylic,[2,6] dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
Petroleum, heavy grade (247°-298°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .616 - —
1-19, Cal. ref.....gal. .510 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (200°-248°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref.. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref.. gal. .606 - —
tanks, dlvd.....gal. .646 - —
Crotonic, bbls., Canadian, wks., lb. .25 - —
Dichlorophenyoxyacetic, cns., dms., works..lb. No stocks
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works.....lb. .10¼- —
l.c.l. .....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms., lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 48%, cbys., same basis, lb. .45 - —
34%, cbys.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .34
Hydrofluoric, anhyd., cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return., Phila...lb. .084 - —
tanks, works, acid basis. lb. .08½- —
Hypophosphorous, USP, djns., lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24¼- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14¼- —
10 or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less. lb. .26 - .26½
tech., dark, 22%, bbls., c.l., works.....100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys..... lb. .52 - .55
Lauric,[2] dist., 95%, dms.....lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[1,7] light, dms...lb. .21½- .22

Acid, maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms..lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra.....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic,[2] dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic, USP, dms.....kilo. 7.00 - 7.30
Nicotinic amide (see Nicotinamide)
Nitric,[6] 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E., works.100 lbs. 5.25 - —
10 to 24, works....100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .18 - —
7-lb. bots., cs., extra, lb. .15 - —
dealers, cbys. extra.....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[2] white, dist., dms..lb. No stocks
tanks .....lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls. works..lb. .90 - —
Peanut oil,[1] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 1.65 - 1.85
Phosphoric,[6] food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld. 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.60 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.03
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., dlvd. E... gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .43
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works..lb. .55 - .57
Soybean oil,[1] s.d., dms., works, lb. .11¾- .16½
tanks, works.....lb. .11 - .15¾
Stearic,[1] double pressed, bgs., c.l., dlvd. E. Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd., lb. .16¾- —
single pressed, bgs., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., dlvd., lb. .15¾- —
triple pressed, bgs., c.l., dlvd. E. of Rockies..lb. .18¾- —
W of Rockies.....lb. .19¾- —
Texas and Okla., dlvd., lb. .19¼- —
Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., wks..lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....lb. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra.....lb. .06½- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works, ton.19.50 - —

Acid, tannic, tech., bbls., dms.lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs... lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —

Tartaric,[7] USP, cryst., gran., powd., bbls., 20,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —

Thioglycolic, highly purified, bbls., cbys., basis 100%..lb. 3.50 - 7.00

Tobias, bbls.....lb. .85 - .90

Trichloracetic, bots.....lb. 2.00 - 2.50

Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. kgs..... ....lb. 2.98 - —

Aconite leaves, bls.... .....lb. 1.10 - 1.40
Root, bls.....lb. 1.35 - 1.40

Aconitine, amorph., bots.....oz.28.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.00 - —

Acrylonitrile, dms., c.l., frt. alld. lb. .39½- —
l.c.l., works.....lb. .40 - .41
tanks, frt. alld.....lb. .38 - —

Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .33 - .34
pharmaceutical, dms., works..lb. .32 - .33

Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —

Agaric, white, bls.....lb. 3.75 - 4.00

Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls...lb. 2.06 - 2.14
granular, cryst., bbls.....lb. 2.01 - 2.09
tech., cryst., bbls.....lb. 1.49 - 1.54

Alcohol, allyl, dms., c.l., dlvd.lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd. .....lb. .20 - —

Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .161 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).

Benzyl, cns.....lb. .70 - .75
dms. .....lb. .65 - —

Butyl, normal,[1] ferment, Ill., Ind. prod., dms., c.l., frt. alld..lb. .1938- —
l.c.l., frt.alld. E....lb. .2030- —
tanks, frt. alld. E....lb. .1880- —
tankwagons, frt. alld.lb. .1980- —
other production, dms., c.l., frt. allo E..lb. .1980- —
l.c.l., frt. allo. E...lb. .2080- —
tanks, frt. allo. E....lb. .1850- —
synthetic, dms., c.l., frt. allo. E..lb. .11¾- —
l.c.l., frt. allo. E....lb. .12¼- —
tanks, frt. allo. E.....lb. .10¾- —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary, dms., c.l., dlvd.lb. .065 - —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —

Capryl, dms., c.l., works...lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —

Cetyl, dom., CP, fiber etns., 1,000 lbs..lb. 1.75 - 1.80
smaller lots.....lb. 1.80 - 2.00

Cinnamic, bots.....lb. 3.00 - 3.55

Denatured,[1] CD14, dms., c.l., works, E..gal. .30 - —
l.c.l., works, E.....gal. .31 - .33
tanks, E., dlvd.....gal. .32 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .29 - —
l.c.l., works, E.....lb. .31 - .33
tanks, E. Works.....gal. .32 - —
Anhydrous 3c. per gal higher.

SD2B, dms., c.l., wks., E.gal. .37 - —
l.c.l., works, E.....gal. .30 - .32
tanks, E. works.....gal. .30 - —

SD23I (replaced by SD28H).

SD23H, dms., c.l.....gal. .53½- —
l.c.l., works, E.....gal. .60½- .68½
tanks, E. works.....gal. .51½- —

SD29, denatured, with acetaldehyde, dms., c.l., E. works, gal. .53½- —
l.c.l., works, E.....gal. .62 - .65
tanks, E. works.....gal. .51½- —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD29 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .60 - —
l.c.l., works, E.....gal. .62 - .65
tanks, E. works.....gal. .53 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .11¼- .14½
l.c.l., dlvd.....lb. .12 - .15
tanks, dlvd.....lb. .10½- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12½

Controls on Materials

Applications of WPB, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

1—Specific price ceiling
2—Price agreement (sellers with OPA)
3—General Limitation Order (L order)
4—General Preference Order (M order)
5—Conservation Order (M order)
6—Allocation
7—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l., works	gal.	17.67	—
l.c.l., works	gal.	17.70½	17.73½
tanks	gal.	17.60	—
absolute, dms., c.l., works	gal.	18.62	—
l.c.l., works	gal.	18.65½	18.68½
tanks	gal.	18.55	—
Ethylhexyl, dms., c.l., works	lb.	.24	—
l.c.l., works	lb.	.25	—
tanks, works	lb.	.23	—
Furfuryl, tech., cns., works	lb.	.35	—
dms., c.l., works	lb.	.22½	—
l.c.l., works	lb.	.25	—
tanks, works	lb.	.20	—
Isoamyl (see Carbinol, isobutyl).			
Isobutyl,[6] refd., dms., works	lb.	.0860	—
tanks, works	lb.	.0760	—
Isopropyl,[3] refd., 91%, dms., incl., c.l., divd.	gal.	.38	—
l.c.l., divd	gal.	.41	—
tanks, divd	gal.	.31½	—
99%, dms., incl., c.l., divd.	gal.	.41½	—
l.c.l., divd	gal.	.44½	—
tanks, divd	gal.	.35	—
Methyl (see Methanol).			
Octyl (see Alcohol, ethylhexyl).			
Phenylethyl, dms	lb.	2.10	2.35
Polyvinyl, type A, fiber-pack, Niagara Falls	lb.	.65	.70
type B, fiber-pack, same basis.	lb.	.60	.63
Propyl, normal, dms., works	lb.	.67	—
smaller containers, works	lb.	.82	—
tanks, works	lb.	.60	—
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia	lb.	.55	—
dms., c.l., Waverly, N. Y.	lb.	.40	—
l.c.l., same basis	lb.	.50	—
Aldol,[6] dms., works	lb.	.13	.15
denaturing grade, dms	gal.	1.20	—
Aletris root, bgs	lb.	2.75	3.00
Algarobilla,[1] c.l., ex dock	long-ton	67.50	—
Algarobilla price based on ocean frt. at $12 insurance per long ton.			
Algin, bbls., fib. dms	lb.	.76	1.60
Alizarin (see Red, alizarin).			
Alkanet root, bgs	lb.	No stocks	
Allspice,[1] Mexican, bgs	lb.	.16½	.17
Allyl bromide, cbys., 5,000 lbs., works	lb.	.99	—
smaller lots, works	lb.	1.05	1.10
Chloride, dms., c.l., divd	lb.	.13½	—
l.c.l., divd	lb.	.14	—
tanks, divd	lb.	.12½	—
Aloe, Cape, cs	lb.	No stocks	
Curacao, kgs	lb.	.48	.49
Socotrine, kgs	lb.	.43	.44
Aloin, bbls., dms., kgs	lb.	4.80	4.89
Alphanaphthol, bbls	lb.	.52	—
Alphanaphthylamine, bbls	lb.	.32	—
Alphapicoline, ret. dms., works, frt. equald.	lb.	.23½	.28½
Alphapinene, dms., c.l., wks.	gal.	.87¼	—
l.c.l., works	gal.	.89¼	—
tanks, works	gal.	.84¼	—
Alphaterpineol, dms., c.l., works.	lb.	.1340	—
l.c.l., works	lb.	.1390	—
tanks, works	lb.	.1200	—
Alphatocopherol, amp	gram	1.00	1.10
Althea root, NF, peeled, bls	lb.	.55	.60
Alum, ammonia, burnt, USP, bbls., kgs.	lb.	.16	.18
gran., bbls., works	100 lbs.	4.00	—
divd., N. Y., Phil.	100 lbs.	4.00	—
lump, bbls., works	100 lbs.	4.25	—
divd., N. Y., Phil.	100 lbs.	4.25	—
powd., bbls., works	100 lbs.	4.40	—
divd., N. Y., Phil.	100 lbs.	4.40	—
Alum, potash, gran., bbls., works	100 lbs.	4.25	—
divd., N. Y., Phil.	100 lbs.	4.25	—
lump, bbls., works	100 lbs.	4.50	—
divd., N. Y., Phil.	100 lbs.	4.50	—
powd., bbls., works	100 lbs.	4.65	—
divd., N. Y., Phil.	100 lbs.	4.65	—
Potash-chrome, bbls	lb.	.12½	.15
Soda, bbls., c.l., works	100 lbs.	3.25	—
l.c.l., divd	100 lbs.	4.25	5.00
Alumina, classified grade, ground, kgs., works	lb.	.35	.67
top grade, ground, kgs., works	lb.	.60	.67
unclassified, ground, kgs., works	lb.	.10½	.46
Acetate, basic solution, 24%, bbls., divd	lb.	.10½	.11
20%, bbls., divd	lb.	.09½	.10
Chloride, anhyd., com'l, dms., c.l., works	lb.	.08	.11
l.c.l., works	lb.	.09	.12
cryst., com'l, dms., c.l., works,	lb.	.06	—
l.c.l., works	lb.	.06½	.06¾
solution, 32 deg., cryst., c.l., works	lb.	.02¾	—
l.c.l., works	lb.	.03¼	—
Fluoride, tech., bbls	lb.	.25	—
Formate, solution, 12-20° Be, bbls., c.l., works	lb.	.09½	—
l.c.l., works	lb.	.10	—
Hydrate,[6] heavy, bgs., c.l., works	lb.	.024	.031
l.c.l., works	lb.	.035	.040
light, bgs., divd	lb.	.14½	—
bbls., divd	lb.	.16	—
Alumina hydroxide, gel, tech., min. 15% Al (OH)$_3$ dms., 10,000 lbs. or more, f.o.b. ship't point	lb.	.03	.03½
ton lots, same basis	lb.	.03½	.03⅝
smaller lots, same basis,	lb.	.03¾	.04
conc., 9-9½% Al_2O_3, fib. dms., works	lb.	.17¾	—
contract, works	lb.	.16¾	—
14-15% Al_2O_3, fib. dms., works	lb.	.20¾	—
contract, works	lb.	19¾	—
dried, USP XII, fib. dms., works	lb.	.78	—
contract, works	lb.	.75	—
powder, tech. (see Alumina hydrate).			
USP IX, bbls., dms	lb.	.15	.17
Laurate, precip., bbls	lb.	.25	.28
Naphthenate,[6] 1.7% Al, 50-gal. dms., works	lb.	.18¾	—
Oleate, dms., contract	lb.	.24½	—
Resinate, precip., dms	lb.	.15½	—
Stearate, precip., etn., c.l.	lb.	.23	—
l.c.l.	lb.	.24	—
Sulphate, coml, bgs., c.l., works, frt. equald.	100 lbs.	1.15	1.25
l.c.l., works, frt. equald.	100 lbs.	1.40	1.80
bbls., c.l., works, frt. equald.	100 lbs.	1.35	1.45
l.c.l., works, frt. equald.	100 lbs.	1.60	1.70
iron-free, bgs., c.l., works.	100 lbs.	1.75	—
l.c.l., works	100 lbs.	2.00	—
Trihydrate, heavy (see Alumina hydrate).			
Aluminum, 98-99%,[3] c.l.	lb.	.15	—
l.c.l.	lb.	.16	.18
Paste, lining, extra fine, 200-lb. dms.	lb.	.56	.69
ink, 150-lb. dms	lb.	.71	—
standard, 200-lb. dms	lb.	.38	—
Powder, lining, extra fine, 150-lb. dms.	lb.	.93	—
litho, 150-lb. dms	lb.	.57	—
standard, 200-lb. dms	lb.	.59	—
rubber comp., 200-lb. dms.	lb.	.40	—
unpolished, stand., dms	lb.	.36	—
varnish, stand., 300-lb. dms.	lb.	.40	—

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. drm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins	oz.	8.75	12.00
Aminoethylpropanol, cns., dms., works	lb.	.50	.60
Aminopyrine, bots., dms	lb.	4.00	4.40
Ammonia[6] anhydrous, fertilizer, tankcars, works, frt. equald.	ton	59.00	—
pure, cyls	lb.	.14½	—
refrigeration, tanks, works	ton	69.00	—
Aqua, 26°, cbys	lb.	.05¼	—
dms., c.l.	lb.	.02¼	—
l.c.l.	lb.	.03¼	—
tanks, works (NH_2 content)	ton	65.00	—
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld.	lb.	.43	—
smaller lots, frt. alld.	lb.	.44	.47
Biborate, gran., bbls., N. Y. or Chi.	lb.	.1515	—
Bicarbonate, dms., c.l.	lb.	.0564	—
Bichromate, bbls	lb.	.22	.23
Bifluoride, bbls	lb.	.15	.15½
Borate, gran., bbls., kgs.	lb.	.1060	—
powd., bbls., kgs	lb.	.1120	—
Bromide, NF, bbls	lb.	.28	—
dms.	lb.	.29	—
Carbonate, USP, lump, dms.	lb.	.08¼	.09¼
cns.	lb.	.14¼	.17½
powdered, 1c. per lb. higher.			
Chloride, tech. (see Ammoniac, sal).			
USP, gran., bbls., dms., kgs.	lb.	.13	.15
Citrate, dibasic, bbls	lb.	.75	—
dms.	lb.	.80	.85
Fluoride,[6] bbls	lb.	No stocks	
Hydroxide (see Ammonia, aqua)			
Hypophosphite, NF, dms	lb.	1.25	1.27
jars	lb.	1.30	1.35
Iodide, NF, bots	lb.	3.71	—
jars	lb.	3.65	—
Linoleate, 80%, anhyd., bbls.	lb.	.12	—
Molybdate,[6] c.p., cryst., kgs.	lb.	1.26	1.30
fine cryst., bbls., kgs	lb.	.84	.87
purified, dms	lb.	1.10	1.12
Nitrate,[1,6] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs.			
c.l., shipping point	ton	50.00	—
bulk, same basis	ton	46.00	—
tech., bgs., works	100 lbs.	4.33	4.50
bbls., works	100 lbs.	4.55	—
Nitrate-limestone,[6] 20.5% N, bgs., Hopewell, Va.	ton	32.50	—
Oleate, dms	lb.	.14	—
Oxalate, fine gran., bbls	lb.	.23	—
dms.	lb.	.28	.29
Perchlorate, kgs	lb.	No stocks	
Persulphate, kgs	lb.	.25½	.28½
Phosphate, dibasic, NF V, bbls., kgs.	lb.	.87	.89
tech., bgs., c.l., works	lb.	.07	—
l.c.l., works	lb.	.07¾	—
monobasic, pure, bbls	lb.	.39	.41
tech., bgs., c.l., works	lb.	.07	—
l.c.l., works	lb.	.07¾	.08¼
Salicylate, NF, dms., kgs	lb.	1.15	1.18
Silicofluoride, bbls	lb.	.15	.18
Stearate, anhydrous, dms	lb.	.84	—
paste, dms	lb.	.08½	—
Sulphamate, bbls., works	lb.	.18	.24
Sulphate,[1,6] bulk, inland producing ovens.	ton	28.20	—
Atlantic coast ports	ton	29.20	—
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works.	lb.	.09	—
l.c.l., divd	lb.	.15	—
tanks, divd	lb.	.07½	—
red, 45%, cbys., works	lb.	.06	—
dms., works	lb.	.06	—
yellow, 35%, cbys., works.	lb.	.06	—
dms., works	lb.	.06	—
Sulphocyanide, CP, bbls	lb.	.95	—
jars	lb.	.97	—
tech., bbls	lb.	.17	.19
Thioglycollate, highly purified, 100% basis, bbls.	lb.	7.10	8.25
Ammoniac gum (see Gum, ammoniac).			
Sal, gray, bbls., c.l., works	100 lbs.	5.50	5.75
l.c.l., works	100 lbs.	6.00	6.70
white, gran., bbls., c.l., works,	100 lbs.	4.45	—
l.c.l., same basis	100 lbs.	5.15	—
Amyl acetate,[5] ex fusel oil, tech., dms., c.l., divd.	lb.	.17	—
l.c.l., divd	lb.	.17¾	—
tanks, divd	lb.	.16	—

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Amyl acetate ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .096 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .75 - .85
Stearate, dms., works.....lb. .42 - —
Amylene mixed, dms., c.l., works, lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, com'l, dms., works..lb. .657 - .682
NF, dms.....lb. 2.60 - 3.00
Angelica dom. atropurpurea root, bls..lb. 1.00 - 1.35
Imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .21 - .22
Anilin oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Cyprus, bgs.....lb. No stocks
Mexican, bgs.....lb. .31 - .32
Syrian, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
Anisic aldehyde, bots.....lb. 3.00 - 3.25
Annatto, paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .08½- .09
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1] bulk, c.l., works....lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs..lb. .16¼- —
Chinese, black, 70%, cs.....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l..lb. .16 - —
l.c.l.....lb. .15¼- —
paint grade, bgs., c.l.....lb. .16¾- —
l.c.l.....lb. .16¾- —
Salt,[1,6] 65%, bgs., c.l., dlvd. E. of Miss. River..lb. .40 - —
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 -23.70
Apple syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .23 - .24
Arecoline hydrobromide, bots.oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos, 100% purity, kilo. 80.00 -82.00
Arnica flowers, bls.....lb. 2.25 - 2.30
Arrowroot, powd., bgs., bbls...lb. .10½- .11
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l.....lb. .04¾- —
Asafetida, cs.....lb. .58 - .60
powd., bbls., dms.....lb. .78 - .80
Asbestine (see Talc, N. Y., fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Cana. mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (20 tons), same basis..ton.33.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7H, bgs., c.l., same basis.ton.22.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l.....ton.41.40 - —
Cuba A, bulk, c.l.....ton.60.00 - —
l.c.l.....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l.....ton.55.00 - —
Egyptian.....ton. No stocks
Gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton.30.00 -32.00
270-295° fusing point, bgs., mines..ton.30.50 - —
seconds, 300-330° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., c.l., Texas refy..ton.21.00 - —
l.c.l., same basis.....ton.21.00 -23.00
tanks, same basis.....ton.16.00 - —
Atropine, bots.....oz. 7.85 - —
Sulphate, bots.....oz. 5.75 - 6.15

B

Balm of Gilead buds, bgs.....lb. 1.90 - 2.00
Barbasco root,[2,5] (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80
Barbital, dms.....lb. 3.50 - 3.60
Sodium, dms.....lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.48.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst.,[6] bgs., c.l., works, ton.73.00 - —
l.c.l., works.....ton.78.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11¼
l.c.l., works.....lb. .10 - .11¼
Oxide, dms., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .12 - .14
grd., dms., l.c.l., works....lb. .13 - .16
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs.....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
Ore, approx. 94% $BaSo_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.00 - 1.10
Root, bls.....lb. 1.50 - 1.65
Bentonite, 200 mesh, bgs., works, ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., cbys., dms.....lb. .45 - .65
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. alld. up to 2c. per gal., gal. .15 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .26 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .70 - .85
dms.....lb. .65 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms.lb. 1.10 - 1.15
Chloride, cbys., frt. equal..lb. .22 - .24
Cinnamate, cns.....lb. 4.00 - 6.35
Formate, cns.....lb. 2.70 - 2.75
Proprionate, bots.....lb. 2.30 - 2.45
Silicylate, bots.....lb. 1.80 - 1.85
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .30 - .36
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works...lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.85 - —
95%, dms., works.....lb. 2.05 - —
98.90%, works.....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .24½- —
Beth root, bls.....lb. .43 - .44
Bismuth chloride, bots.....lb. 3.00 - —
jars.....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.88
jars.....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns.....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.49
cns.....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns...lb. 1.49 - 1.53
fib. dms.....lb. 1.40 - 1.43
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms.,[6]b. 1.20 - 1.23
bots.....lb. 1.29 - 1.33
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 - —
5-lb. cns.....lb. 2.54 - 2.59
Sulphocarbolate, bots.....lb. 3.71 - 3.74
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns.....lb. 3.45 - 3.50
Black, acetylene,[3] bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .12 - —
3, bgs., bbls., c.l., same basis. lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .09½- —
400A, bgs., bbls., c.l., same basis..lb. .09½- —
457, bgs., bbls., c.l., same basis..lb. .11½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon,[1] channel, compressed.

WORLD'S LARGEST PRODUCER OF SYNTHETIC RESINS

RCI

GENUINELY NEW

In Composition and Results

COSTS LESS!
COOKS FASTER!
YIELDS HIGHER VISCOSITY!
DRIES QUICKER!

NO. 2100 SUPER-BECKACITE

Not merely an improved product but an entirely new resin—that's No. 2100 Super-Beckacite, a truly high-light achievement in the development of surface coating resins. It's better in nearly every way than any previous resin—better in film and performance properties . . . better in physical characteristics . . . better for economy! From now on this pure phenolic is the No. 1 choice for high grade enamels and spar varnishes. Write to the Sales Department for further data on the most important advancement in a pure phenolic resin since RCI products first changed the industry.

REICHHOLD CHEMICALS, INC.

General Offices and Main Plant, Detroit 20, Michigan

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Brooklyn, New York • Elizabeth, New Jersey • South San Francisco, California • Tuscaloosa, Alabama • Liverpool, England • Paris, France • Sydney, Australia

SYNTHETIC RESINS • CHEMICAL COLORS • PHENOLIC PLASTICS • INDUSTRIAL CHEMICALS

Black., carbon, channel compressed, beads, bulk, c.l., works..lb. .05 - —
bgs., c.l., works.....lb. .055 - —
l.c.l., works.....lb. .06 - —
dlvd. or whse.....lb. .092 - —
uncompressed, regular, bgs., c.l., works..lb. .0635- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .097 - —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works...lb. .03½- —
ctns., l.c.l., whse.....lb. .06 - —
Thermatonic, bgs., c.l., works La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, 1, ctns., c.l., works..lb. .08½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .06
B, bbls.....lb. .05¾- —
kegs.....lb. .06 - —
Black dyes (see Dyes)
Black haw root bark, bls.....lb. .85 - .90
Tree bark, bls.....lb. .40 - .45
Black Indian hemp root, bls...lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works. ton.40.00 - —
l.c.l., same basis....ton.46.50 - —
Bleaching powder,[2] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 3.75 - 3.60
Blood,[1,7] dried, 16-16½% ammon., bgs..unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago...lb. .13½- —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .53 - .55
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
Toner, bbls., same basis....lb. .85 - .90
Celestial, bbls., same basis...lb. .10 - .12
Chinese, bbls., same basis...lb. .36 - —
Cobalt,[6] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine)
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis...lb. 3.90 - —
green shade, bbls., same basis. lb. 4.50 - 4.70

Blue, iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda)
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine,[4] cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .13
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Blueflag root, bls.....lb. .70 - .75
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[7] raw, bulk, Chicago...ton.37.00 -65.00
junk, bulk, same basis....ton.35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.37.50 - —
Chicago, works.....ton.39.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.38.50 - —
Chicago, works.....ton.36.00 - —
Phosphate, defluorinated (see D).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. No stocks
Borax,[2] tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —

Borax, tech., 99½%, powd., bgs., c.l., frt. alld...ton.50.00 - —
ton lots, ex whse.....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld.....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol .....lb. 5.20 - 5.25
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works. lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .95 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .14 - .15
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis. lb. .0285- —
Italian type, bbls., works. lb. .08¾- .10¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .08 - .10
burnt, American, bbls., works. lb. .03¾- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., l.c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
Turkey-type, bbls., ex car, Los Angeles.....lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, cns., 100 ozs.....oz. .30 - —
Bryonia root, bls.....lb. .60 - .65
Buchu leaves, bls.....lb. .83 - .85
Buckthorn bark, bls.....lb. .45 - .46
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .30 - .31
Burgundy pitch, dom., dms...lb. .08 - —

Butane,[1] indust., tanks, Group 3. gal. .09½- —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .1800-
l.c.l., same basis.....lb. .1910-
tanks, same basis.....lb. .1760-
tankwagon, same basis.lb. .1810-
other production, dms., c.l., same basis..lb. .1900-
l.c.l., same basis....lb. .1950-
tanks, same basis....lb. .1800-
synthetic, dms., c.l., same basis..lb. .11¾- —
l.c.l., same basis.....lb. .1950-
tanks, same basis.....lb. .10¾- —
secondary,[1] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works...lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .26½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks, dlvd.....lb. .15½- —
Stearate, dms.....lb. .31½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars.....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.23 - —
cns.....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1] ingots or sticks, dlvd.lb. .90 - —
pat. shapes, cs., dlvd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., 100 lbs. or more. lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.06
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more. lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .35 - .36
Calamus root, natural, dom., bls. lb. .40 - .45
Calcium acetate, bgs., dlvd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, jars.....lb. .65 - .70
Carbide,[3] dms., c.l., works.ton.50.00 - —
dlvd. .....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., dlvd.....ton.28.50 -45.00

SPOT DELIVERIES

SODIUM PERBORATE Powder U.S.P.

SODIUM BICHROMATE
MAGNESIUM METAL POWDER, High Purity
MAGNESITE CALCINED Indian
TARTARIC ACID U.S.P.
CREAM OF TARTAR U.S.P.
METHYLENE CHLORIDE

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE • NICKEL OXIDE, ETC.

GOLWYNNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Calcium chloride, liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-78%, dms., c.l., dlvd.. ton.18.00 -34.50
l.c.l., dlvd.....ton.28.00 -44.50
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.

Cyanide, dms., delivered E. of Rockies..lb. .25 - .40
Gluceonate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .59
cns. .....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs..... .....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.75 - —
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, dms.....lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, USP, dense, fluffy, dms..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .16 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0660
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctn., c.l., works..lb. .25 - —
l.c.l., works.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works.. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 2.60 - 2.65
Calomel,[6] bbls., dms.....lb. 2.44 - 2.45
Camphor, natural.....lb. No stocks
synth.,[4] tech., bbls., contract, 2,000 lbs. or more, works..lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Camphor, monobromated, dms.lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks
Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] California, Dutch type..lb. .72 - .53
Canadian, bgs.....lb. .70 - .72
Dutch, bgs., futures.....lb. .70 - .72
Morocco, dewhiskered, futures, bgs..lb. .67 - .68
Spanish, dewhiskered, bgs..lb. No stocks
Syrian, dewhiskered, futures, bgs..lb. .66 - .69
Carbasole, 85%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works....lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works. lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1] c.p., dms., c.l lb. .07½- —
l.c.l. .....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l. gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans. 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho., Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs., lb. 1.50 - 1.60
medium, cs.....lb. 1.45 - 1.50
decorticated, Guatemala, cs..lb. .98 - .99
India, cs.....lb. .96 - .97
green, bgs.....lb. .97 - .98
Carotene, cryst., 1,850,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, (40%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb.37.50 - —
50,000 USP units per gm., bots., works..lb. 3.43 - —
dms., works.....lb. 7.98 - —
8,800 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
3,300 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots.....lb.22.50 -23.00
Cascara sagrada bark, bulk....lb. .43 - .45
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .09¾- —
Casein,[1] dom., acid-precip., bgs., 100 or more, ship't point..lb. .24 - —
20 to 99, same basis....lb. .24½- —
less than 20, same basis. lb. .24¾- —
rennet-precip., bgs., 100 or more, same basis..lb. .25½- —
20 to 99, same basis....lb. .25¾- —
less than 20.....lb. .26¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .21 - .23
rennet-precip., unground, bgs., 100 bgs. or more..lb. .22½- .24½
Cassia,[1,7] .....lb. No stocks
Cassia fistula, bskts.....lb. .36 - .38
Castor beans,[7] bgs., Brazilian ports..long ton.86.00 -87.00
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 2.90 - —
Castoreum, nat., cns.....lb.12.00 -13.00
synth, bots.....lb.10.00 - —
Catechol, CP, cryst., works, fib. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb. 3.25 - —
Catnep, bls.....lb. .50 - .55
Celery seed,[1] French, bgs.....lb. No stocks
Indian, bgs.....lb. .21¾- .22¼
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
granules, ctns., same basis.lb. .35 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs. works....lb. .48 - —
medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.. lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works....lb. .46 - —
Granules are 5c. per lb. higher, all quantities.

Cellulose acetate-propionate, flake, high (31.5%) propionyl content), 50-lb. ctn., 5,-000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works....lb. .48 - —
Granules are 5c. per lb. higher, all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more. lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
bgs., smaller lots, works.lb. 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 - —
rubbermakers, bgs., c.l., works ton.30.00 - —
Chamomile, Hungarian type, cs. lb. .52 - .53
Roman, bls., futures.....lb. 1.75 - 1.85
Charcoal, hardwood, lump, bulk, c.l., works..ton.31.25 - —
bur. bgs., ret., c.l., works. ton.31.00 -33.75
briquets, bulk, c.l., works... ton.35.00 - —
bgs., c.l., works.....ton.40.00 -41.00
granular, all grades, bgs., incl., works...ton.44.00 - —
screenings, bur. bgs., ret., c.l., works..ton.23.05 - —
Pinewood,[1] lump, bgs., c.l., Southern shipping points... ton.20.00 - —
granular, powd., bgs., c.l., works, South..ton.20.20 - —
l.c.l., works.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,8] standard 25% tannin, bbls., c.l., works..100 lbs. 3.22 - 3.53
l.c.l., works.....100 lbs. 3.47 - 3.80
tanks, works.....100 lbs. 2.62 - 2.95
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 7.46 - 8.32
l.c.l., works.....100 lbs. 8.21 - 9.07
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.60 - —
200 mesh, bgs., c.l. works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks.,l.c.l., ex whse.ton.41.00 -
Chloral hydrate, jars.....lb. .93 - .98
dms. .....lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works..lb. .32 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —

CCI

BONE PRODUCTS

We are the world's largest manufacturers of Bone Products—*Pioneers* in this business.

BONE BLACK
BONE GREASE
BONE FLOUR
BONE OIL
LONE STAR BONE MEAL
AMMONIUM SULPHATE
BONE GLUE
HIDE GLUE
DIGESTA BONE MEAL
MEAT SCRAP
TANKAGE
TALLOW

SALES OFFICES
HOUSTON
NEW YORK
SAN FRANCISCO.

PLANT LOCATIONS
SAN FRANCISCO, CALIF.
WOBURN, MASS.
LITTLE ROCK, ARK.
BASTROP, LA.
BATON ROUGE, LA.
FORT WORTH, TEXAS
HOUSTON, TEXAS
BUENOS AIRES, ARGENTINA

We Solicit Your Inquiries

CONSOLIDATED CHEMICAL INDUSTRIES INC.

Announcement

E. I. du Pont de Nemours & Company (Inc.), Ammonia Department

"NATIONAL" ANHYDROUS AMMONIA IN CYLINDERS

E. I. du Pont de Nemours & Company (Inc.), announces an offer to accept new contracts and to extend all existing contracts for "National" Anhydrous Ammonia in Cylinders at the contract price.

Contracts may be for an indefinite period and are subject to termination by either party upon 30 days' notice prior to the end of any calendar year.

The contract prices are 1½¢ per lb. less than the prices shown in the spot or current market price list printed below.

PRICES PER POUND

State-Wide Delivered Prices are *for shipment from base points only: Philadelphia, St. Louis, New York City, Newark, Niagara Falls, Detroit, Chicago or Boston.*

ALABAMA . . . . . 20c per lb.
Birmingham delivered from stock 20½c.
Shipment from Birmingham stock, 20½c f.o.b. Birmingham.
Deliveries at 20½c from Birmingham stock are made in Bessemer, Boyles, Ensley, Fairfield, Homewood, Irondale, Sayreton, Tarrant, Woodward.

ARIZONA . . . . . 19½c per lb.
Phoenix delivered from stock 20½c.
Shipment from Phoenix stock, 20½c f.o.b. Phoenix.
Shipment from Los Angeles stock, 17c f.o.b. Los Angeles.

ARKANSAS . . . . . 19c per lb.
Little Rock delivered from stock 20c.
Shipment from Little Rock stock, 20c f.o.b. Little Rock.

CALIFORNIA (No state-wide delivered price.)
Los Angeles and Los Angeles metropolitan district, delivered from stock 16½c.
Shipment from Los Angeles stock, 16½c f.o.b. Los Angeles.
San Francisco and San Francisco metropolitan district, delivered from stock 15½c.
Shipment from San Francisco stock, 15½c f.o.b. San Francisco.
San Diego delivered from Los Angeles stock, 16½c.
(Freight equalized with San Diego on shipments from Los Angeles.)
(Above prices for shipment from California stock points apply only for shipment to California destinations. For destinations in other states see state of destination for proper price.)

COLORADO . . . . . 20½c per lb.
Denver delivered from stock 21½c.
Shipment from Denver stock, 21½c f.o.b. Denver.

CONNECTICUT . . . . . 15½c per lb.
New Haven delivered from stock 16c.
Shipment from New Haven stock, 16c f.o.b. New Haven.

DELAWARE . . . . . 15½c per lb.

DIST. OF COLUMBIA . . . . . 16c per lb.
Washington delivered from stock 16½c.
Shipment from Washington stock, 16½c f.o.b. Washington, D. C.

FLORIDA . . . . . 20c per lb.
Jacksonville delivered from stock 20½c.
Shipment from Jacksonville stock, 20½c f.o.b. Jacksonville.
Miami delivered from stock 20½c.
Shipment from Miami stock, 20½c f.o.b. Miami.
Tampa delivered from stock 20½c.
Shipment from Tampa stock, 20½c f.o.b. Tampa.

GEORGIA . . . . . 19c per lb.
Atlanta delivered from stock 19½c.
Shipment from Atlanta stock, 19½c f.o.b. Atlanta.
Savannah delivered from stock 19½c.
Shipment from Savannah stock, 19½c f.o.b. Savannah.
Augusta 18½c for shipment from base points.
(No stock at this point.)

IDAHO . . . . . 20½c per lb.
Shipment from Seattle stock, 17½c f.o.b. Seattle.
Shipment from Portland stock, 17½c f.o.b. Portland.
Shipment from Spokane stock, 19½c f.o.b. Spokane.
Shipment from Salt Lake City stock, 19½c f.o.b. Salt Lake City.

ILLINOIS . . . . . 17c per lb.
Chicago and all Cook County delivered from stock, 16c.
(Shipments from Chicago stock are billed at state-wide delivered prices prevailing at destination of shipment.)
Deliveries at 16c from St. Louis stock are made within zone including Alton, Belleville, Cahokia, Collinsville, Columbia, Dupo, East Alton, East St. Louis, Edwardsville, Freeburg, Glen Carbon, Granite City, Hartford, Madison, Millstadt, Mitchell, Monsanto, O'Fallon, Roxana, Smithton, Troy, Venice, Waterloo, and Wood River.

INDIANA . . . . . 17c per lb.
Indianapolis delivered from stock, 17½c.
Shipment from Indianapolis stock, 17½c f.o.b. Indianapolis.
Deliveries at 17½c from Louisville stock are made in Jeffersonville and New Albany, Indiana.

IOWA . . . . . 18c per lb.
Sioux City delivered from stock, 19c.
Shipment from Sioux City stock, 19c f.o.b. Sioux City.
Burlington, Clinton, Davenport, Dubuque, Ft. Madison, Keokuk, and Muscatine, 17c.
(No stocks at these seven points and price is for shipment from base points.)

KANSAS . . . . . 18½c per lb.
Kansas City, Kansas, for shipment from base points, 17½c.
Kansas City, Kansas, delivered from Kansas City, Mo., stock, 18½c.

KENTUCKY . . . . . 17c per lb.
Louisville delivered from stock, 17½c.
Shipment from Louisville stock, 17½c f.o.b. Louisville.
Bellevue, Bromley, Clifton, Covington, Dayton, Fort Mitchell, Fort Thomas, Latonia, Ludlow, Newport, Southgate, and West Covington delivered from Cincinnati stock, 17c.

LOUISIANA . . . . . 20c per lb.
New Orleans delivered from stock 20½c.
Shipment from New Orleans stock, 20½c f.o.b. New Orleans.
Deliveries at 20½c from New Orleans stock are made within zone including Arabi, Violet, Gretna, Harvey, Marrero, Westwego, Metairie Ridge, Shrewsbury, Kenner and Algiers.

MAINE . . . . . 16½c per lb.
MARYLAND . . . . . 16c per lb.
Baltimore delivered from stock 16½c.
Shipment from Baltimore stock, 16½c f.o.b. Baltimore.

MASSACHUSETTS . . . . . 15½c per lb.
Boston delivered from stock 14½c.
(Shipments from Boston stock are billed at state-wide delivered prices prevailing at destination of shipment.)
Deliveries at 14½c from Boston stock are made within the zone including all Suffolk County and starting from Suffolk County on north including Malden, Medford, Arlington, Belmont, Waverly, Clematis Brook, Bleachery, Riverside, Newton Lower Falls, and Northeast of Charles River to Suffolk County line.
Deliveries in Massachusetts only at 15½c from Boston stock are made to points between the Boston free delivery zone defined above and within a radius of 40 miles from Boston Common.

MICHIGAN . . . . . 17c per lb.
Detroit delivered from stock 16c.
(Shipments from Detroit stock are billed at state-wide delivered prices prevailing at destination of shipment.)
Deliveries at 16c from Detroit stock are made within zone including Dearborn, Delray, Hamtramck, Highland Park, River Rouge, and Wyandotte.

MINNESOTA . . . . . 18½c per lb.
St. Paul and Minneapolis delivered from St. Paul stock 19c.
Shipment from St. Paul stock (except for Montana, North Dakota, South Dakota and Wyoming points) 19c f.o.b. St. Paul.
Shipments to Montana, North Dakota, South Dakota, and Wyoming points from St. Paul stock 19½c f.o.b. St. Paul.

MISSISSIPPI . . . . . 20c per lb.

MISSOURI . . . . . 17½c per lb.
St. Louis delivered from stock 16c.
(Shipments from St. Louis stock are billed at state-wide delivered prices prevailing at destination of shipment.)
Deliveries at 16c from St. Louis stock are made within zone including Brentwood, Clayton, Creve Coeur, Desperes, Ferguson, Glendale, Jefferson Barracks, Jennings, Kirkwood, Manchester, Maplewood, Normandy, Overland, Richmond Heights, Robertson, St. Charles, Sappington, University City, Valley Park, Webster Groves, Wellston and Woodland.
Kansas City delivered from stock 18½c.
Shipment from Kansas City stock, 18½c f.o.b. Kansas City.

MONTANA . . . . . 20½c per lb.
Shipment from Seattle stock, 18c f.o.b. Seattle.
Shipment from Spokane stock, 20c f.o.b. Spokane.
Shipment from St. Paul stock, 19½c f.o.b. St. Paul.

NEBRASKA . . . . . 18½c per lb.
Omaha delivered from stock 19½c.
Shipment from Omaha stock, 19½c f.o.b. Omaha.

NEVADA . . . . . 19½c per lb.
Shipment from Los Angeles stock, 17c f.o.b. Los Angeles.
Shipment from San Francisco stock, 16c f.o.b. San Francisco.
Shipment from Salt Lake City stock, 19½c f.o.b. Salt Lake City.

NEW HAMPSHIRE . . . . . 16c per lb.

NEW JERSEY . . . . . 15½c per lb.
Newark, Paterson, and Metropolitan District delivered from stock 14½c.
(Shipments from Newark stock are billed at state-wide delivered prices prevailing at destination of shipment.)
Deliveries at 14½c from Philadelphia stock are made in Camden, New Jersey.

NEW MEXICO . . . . . 20½c per lb.

NEW YORK . . . . . 15½c per lb.
Buffalo delivered from stock 16c.
Shipment from Buffalo stock, 16c f.o.b. Buffalo.
New York City and Metropolitan New York District delivered from stock 14½c.
(Shipments from New York City stock are billed at state-wide delivered prices prevailing at destination of shipment.)
Niagara Falls delivered from stock 14½c.
(Shipments from Niagara Falls stock are billed at state-wide delivered prices prevailing at destination of shipment.)
Rochester delivered from stock 16c.
Shipment from Rochester stock, 16c f.o.b. Rochester.
Syracuse delivered from stock 16c.
Shipment from Syracuse stock, 16c f.o.b. Syracuse.

NORTH CAROLINA . . . . . 17½c per lb.
Charlotte delivered from stock 18c.
Shipment from Charlotte stock, 18c f.o.b. Charlotte.

NORTH DAKOTA . . . . . 19½c per lb.
Shipment from St. Paul stock, 19½c f.o.b. St. Paul.

OHIO . . . . . 16½c per lb.
Cincinnati delivered from stock 17c.
Shipment from Cincinnati stock, 17c f.o.b. Cincinnati.
Deliveries at 17c from Cincinnati stock are made in Arlington Heights, Beechwood, Blue Ash, California, Carthage, Cheviot, Deer Park, Elmwood, Fairfax, Glendale, Lockland, Mariemont, Montgomery, Mt. Healthy, North College Hill, Norwood, Park Place, Reading, Rossmoyne, St. Bernard, Sharonville, Silverton, Terra Alta and Wyoming.
Cleveland delivered from stock 17c.
Shipment from Cleveland stock, 17c f.o.b. Cleveland.
Columbus delivered from stock 17c.
Shipment from Columbus stock, 17c f.o.b. Columbus.
Toledo delivered from stock 17c.
Shipment from Toledo stock, 17c f.o.b. Toledo.

OKLAHOMA . . . . . 19c per lb.
Oklahoma City delivered from stock 20c.
Shipment from Oklahoma City stock, 20c f.o.b. Oklahoma City.
Tulsa delivered from stock 20c.
Shipment from Tulsa stock, 20c f.o.b. Tulsa.

OREGON (No state-wide delivered price.)
Portland delivered from stock 16½c.
Shipment from Portland stock, 16½c f.o.b. Portland.
(The above price applies only on shipments from Portland stock to Oregon destinations. For destinations in other states see state of destination for proper price.)

PENNSYLVANIA . . . . . 15½c per lb.
Philadelphia delivered from stock 14½c.
(Shipments from Philadelphia stock are billed at state-wide delivered prices prevailing at destination of shipment.)
Pittsburgh delivered from stock, 16c.
Shipment from Pittsburgh stock, 16c f.o.b. Pittsburgh.
Deliveries at 16c from Pittsburgh stock are made to all points in Allegheny County.

RHODE ISLAND . . . . . 15½c per lb.
Providence delivered from stock 16c.
Shipment from Providence stock, 16c f.o.b. Providence

SOUTH CAROLINA . . . . . 18½c per lb.

SOUTH DAKOTA . . . . . 19½c per lb.
Sioux Falls 18½c for shipment from base points.
(No stock at this point.)
Shipment from St. Paul stock, 19½c f.o.b. St. Paul.

TENNESSEE . . . . . 19c per lb.
Chattanooga delivered from stock 19½c.
Shipment from Chattanooga stock, 19½c f.o.b. Chattanooga.
Memphis delivered from stock 19½c.
Shipment from Memphis stock, 19½c f.o.b. Memphis.
Nashville delivered from stock 19½c.
Shipment from Nashville stock, 19½c f.o.b. Nashville.
Bristol, Jellico and Kingsport 16½c for shipment from base points.
(No stock at these points.)

TEXAS East of 101° longitude . . 20c per lb.
Dallas delivered from stock 21c.
Shipment from Dallas stock, 21c f.o.b. Dallas.
Fort Worth delivered from stock 21c.
Shipment from Fort Worth stock, 21c f.o.b. Fort Worth.
Houston delivered from stock 21c.
Shipment from Houston stock, 21c f.o.b. Houston.
San Antonio delivered from stock 21c.
Shipment from San Antonio stock, 21c f.o.b. San Antonio.
West of 101° longitude . . . . . 20½c per lb.
El Paso delivered from stock 21½c.
Shipment from El Paso stock, 21½c f.o.b. El Paso.

UTAH . . . . . 20½c per lb.
Salt Lake City delivered from stock 19½c.
Shipment from Salt Lake City stock, 19½c f.o.b. Salt Lake City.
Shipment from San Francisco stock, 16c f.o.b. San Francisco.

VERMONT . . . . . 16c per lb.

VIRGINIA . . . . . 16½c per lb.
Arlington County, Virginia, for shipment from base points, 16c.
Arlington County, Virginia, delivered from Washington, D. C., stock 16½c.
Norfolk delivered from stock 17c.
Shipment from Norfolk stock, 17c f.o.b. Norfolk.
Deliveries at 17c from Norfolk stock are made in Hampton, Newport News, Ocean View, Phoebus and Portsmouth.
Richmond delivered from stock 17c.
Shipment from Richmond stock, 17c f.o.b. Richmond.

WASHINGTON (No state-wide delivered price.)
Seattle delivered from stock 16½c.
Shipment from Seattle stock, 16½c f.o.b. Seattle.
Spokane delivered from stock 19c.
Shipment from Spokane stock, 19c f.o.b. Spokane.
Tacoma delivered from Seattle stock, 16½c. (Freight equalized with Tacoma on shipments from Seattle.)
(Above prices for shipment from Washington stock points apply only for shipment to Washington destinations. For destinations in other states see state of destination for proper price.)

WEST VIRGINIA . . . . . 16½c per lb.
Charleston delivered from stock 17c.
Shipment from Charleston stock, 17c f.o.b. Charleston.

WISCONSIN . . . . . 17c per lb.
Milwaukee and all Milwaukee County delivered from stock 17½c.
Shipment from Milwaukee stock, 17½c f.o.b. Milwaukee.

WYOMING . . . . . 20½c per lb.
Shipment from St. Paul stock, 19½c f.o.b. St. Paul.
Shipment from Salt Lake City stock, 19½c f.o.b. Salt Lake City.

Above prices are for Ammonia in 100 lbs.- and 150 lbs.-capacity cylinders. Prices for Ammonia in 50 lbs.-capacity cylinders are uniformly 6¢ per pound higher.

FREIGHT: Prices are freight free at common carrier points unless otherwise stated above. All prices include freight on empty cylinders returned to the point designated on each cylinder.

TERMS: Net cash 30 days for Ammonia and Cylinders.

Value of cylinders not returned within 30 days of date invoiced is to be deposited at the following rates:

150 lbs.-capacity, $25.00 each; 100 lbs.-capacity, $20.00 each; 50 lbs.-capacity, $15.00 each.

The deposit on each such cylinder will be refunded promptly to the party returning the cylinder to us, if it is returned within one year from date invoiced, in the same good condition as furnished, and if it has been used for no other purpose than storage of original content.

E. I. DU PONT DE NEMOURS & CO., (INC.) AMMONIA DEPARTMENT, WILMINGTON 98, DELAWARE

DU PONT

BETTER THINGS FOR BETTER LIVING . . . *THROUGH CHEMISTRY*

ANHYDROUS AMMONIA NATIONAL TRADE MARK

Chlorine, liquid, cyls., c.l....lb. .05¼- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2 wks., frt. equald.100 lbs. 2.50 - —
1 wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyl..
100-lb. cyls., same basis...lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.60 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms.lb. 3.00 - 3.10
Chrome acetate, powd., 23%, works bbls..lb. .32 - —
works, ton lots..... .30 - —
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Fluoride, bbls., wks.....lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Ore,[1] residue, paper bgs., c.l., works..ton.15.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchonine,[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchophen, NF, heavy, dms..lb. 3.70 - 3.80
standard, dms.....lb. 3.50 - 3.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .85 - .95
Cinnamon,[1,7] Ceylon, O, bls., fu-tures..lb. .5202- —
OO, bls., futures.. .....lb. .5320- —
OOO, bls., futures.....lb. .5407- —
OOOO, bls., futures.....lb. .5494- —
No. 1, bls., futures.....lb. .5145- —
2, bls., futures.....lb. .5058- —
3, bls., futures.....lb. .4953- —
4, bls., futures.....lb. .4868- —
Citral, bots., cns.....lb. 4.50 - 6.50
Citrine ointment, jars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 6.75
Clove,[1] Madagascar, bls.....lb. .15½- .16
futures, bls.....lb .15½- .16
Zanzibar, bls.....lb. .17¼- .17¾
futures, bls.....lb. .17 - .17½
Clover tops, red, dom., bgs...lb. .50 - .55
imported, bgs.....lb. No stocks
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works...bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works...dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .63¾- —
feed grade, 49.8% Co, kgs..lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.58 - —
feed grade, 23% Co, kgs...lb. 1.85 - —
Cobalt chloride, kgs., works...lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs...lb. 2.25 - —
Linoleate, paste, 5%, dms....lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[6] black, kgs.....lb. 1.64 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.6% Co, 100-lb. dms..lb. .38½- —
Soyate, 8%-8.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
silver, Teneriffe, bgs.....lb. .38 - .39
Cocoa butter,[1,7] bulk, ship. pt..lb. .25 - —
Cocillana bark, bgs.....lb. No prices
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .18 - .19
blue, bls.....lb. .22 - .23
Colchicine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns.....lb. .23 - .29½
Flexible, USP, dms.....lb. .21 - .22
cns.....lb. .25 - .31
Colocynth pulp, bls.....lb. .55 - .60
Colombo root, bls.....lb. .16½- .17
Coltsfoot leaves, bgs.....lb. No stocks
Condurango bark, bgs.....lb. .12 - .15
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. 1.09 - 1.10
Copper acetate, cupric, bbls., works..lb. .25¼- —
smaller containers, wks...lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14¾- .17
Cyanide, tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1] electrolytic.....lb. .12 - .12½
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate,[1] tech., cryst., bbls...lb. .19¼- .20½
Oleate, precip., bbls.....lb. .22½- .23½
Oxide, black, bbls., works...lb. .19 - .20
red, com'l, bbls., works....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.3% Cu, 125-lb. dms..lb. .15½- .16
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
l.c.l., 700 to 36,000 lbs.. 100 lbs. 5.00 - 5.50
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd.100 lbs.10.20 - —
smaller lots, dlvd..100 lbs.10.95 - —
dms., c.l., dlvd.....100 lbs. 8.95 - 9.20
l.c.l., dlvd.....100 lbs. 9.95 -10.20
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton.20.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra,[7] Coast, ship't.....lb. No prices
Coriander[1] seed, Argentine, bgs. lb. .09¾- .10¼
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. .10 - .11½
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, chipped, bgs., c.l., dlvd..100 lbs. 3.905 - —
slabs, bbls., c.l., dlvd.... 100 lbs. 3.825 - —
Syrup, 42°, bbls., c.l., dlvd. 100 lbs. 4.221 - —
43°, bbls., c.l., dlvd..100 lbs. 4.277 - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .20 - .22
Cottonseed hull ash, 52-56% pot-ash, bgs., dlvd..unit-ton. 1.20 - —
Meal,[1,7] 41% protein, bulk, Memphis, c.l..ton.45.00 -49.75
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .81
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .67½- —
smaller lots, bbls., kgs., lb. .58 - .58½
imported, bbls.....lb. .50 - .55
Creosote carbonate, bots., cbys., lb. 2.10 - 2.20
Coaltar (see Cresol).
Oil,[2] coaltar, crude, tanks, works..gal. .15½- —
refined, dms., c.l., works, gal. .247 - .2525
l.c.l., same basis....gal. .26 - .35
tanks, same basis....gal. .18 - .18½
solution, tanks, works....gal. .141 - —
Wood, beech, bots., cbys....lb. .85 - 1.04
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[2,6] special resin grades, dms., c.l., works, frt. equald., lb. .09¼- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., same basis. lb. .10¾- .11¾
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms..lb. .15 - —
5 and 10-gal. dms., works.. lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works.....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .06½- —
l.c.l., works.....lb. .09¾- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .25 - .30
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs.....lb. .36 - .37
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. .37 - .38
Cutch, bgs.....lb. No stocks
Cyanamid,[2] fertilizer mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½- —
21% N., pulv., bgs., same basis..unit-ton. 1.82½- —
Cyclohexane, tech., dms.. c.l., works..lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, 98 - 100%, dms., works..lb. .21 - .23
Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works.....lb. .30 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .29 - —
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Damiana leaves, bls.....lb. .45 - .46
Dandelion root, bls.....lb. .70 - .75
DDT, fiber, dms., c.l., works..lb. .46 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, works..lb. .53 - .60
Decanol, normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls.....lb. .34 - .35
Defluorinated phosphate,[1] paper bgs., works..ton.34.25 - —
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .28 - .30
over 2% ffa, bbls.....lb. .26½- .28½
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l.. 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Chicago .....100 lbs. 5.03 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —

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Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¾
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots..lb. 5.50 - 5.55
laboratory grade, bots.....
100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Amyl ether)
Phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works.lb. .25 - —
Diamylamine, dms., c.l., works.
lb. No stocks
l.c.l., works.....lb. No stocks
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific coast.
ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic coast..ton.55.00 -59.00
l.c.l., ex whse.....ton55.00 -60.00
Imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
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dms., c.l., works.....lb. .1770- .2250
l.c.l., works.....lb. .1820- .2400
tanks, works.....lb. .1670- .2250
Sebacate, dms., c.l., works..lb. .4800- .5075
l.c.l., works.....lb. .4850- .5125
tanks, works.....lb. .4600- .4975
Tartrate, dms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works..
lb. .66 - —
l.c.l., works.....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT)
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, com'l, dms.lb. .25 - —
refd., 99%, dms.....lb. .30 - —
Oxalate, dms., c.l., dlvd.....lb. .30½- —
l.c.l., dlvd.....lb. .31 - —
Phthalate,[6] dms., c.l., dlvd..lb. .2025- .2120
l.c.l., dlvd.....lb. .2075- .2170
tanks, dlvd.....lb. .1925- .2050
Sulphate, dms., c.l., works...lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .76 - —
l.c.l., works.....lb. .81 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylaniline, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. 1.10 - 1.15
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Dihydroxydichlorodiphenylmethane, dms., works or N.Y. met.lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works, lb. .19 - —
Dilseed, natural cleaned, bgs., lb. No stocks
decorticated, bgs.....lb. .12 - .12½
dewhiskered, bgs.....lb. .08¾- .09
Dimethyl phthalate,[6] dms., c.l., dlvd..lb. .1895- —
l.c.l., dlvd.....lb. .1945- —
tanks, dlvd.....lb. .1795- —
Dimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylaniline, dms., c.l.....lb. .21 - —
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .14 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .13 - —
oily, dms.....lb. .06 - —
Diorthotoluolguanidin,[6] dms., ton lots, dlvd..lb. .44 - —
smaller lots, dlvd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1] destructive dist., dms., dlvd. E..gal. .55 - .56
tanks, dlvd. E.....gal. .45 - —
steam-dist., dms., dlvd. E..gal. .56 - .58
tanks, dlvd. E.....gal. .52 - .53
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms. .....lb. .43 - .45
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons.lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[1,5] 42% tannin, c.l., U.S. ports, ex dock..ton.65.00 -69.50
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .50 - .55
Dogwood, Jamaica, bark, bls..lb. .10 - .11
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns.....lb.13.00 - —
Green, FD&C, No. 1, cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns.....lb. 2.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.95 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1, cns..lb. 3.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics)—
Black, D&C, No. 1, cns.....lb. 8.35 - —
Blue, D&C, No. 4, cns.....lb.12.35 - —
Brown, D&C, No. 1, cns....lb.12.35 - —
Green, D&C, No. 5, cns.....lb.12.35 - —
No. 6, cns.....lb.12.35 - —
Orange, D&C, No. 3, cns....lb. 8.35 - —
No. 4, cns.....lb.15.35 - —
No. 10, cns.....lb.15.35 - —

Dyes, coaltar (certified colors for drugs and cosmetics)—
Red, D&C, No. 8, cns.....lb. 2.95 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb.15.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 33, cns.....lb.13.35 - —
No. 37, cns.....lb.12.35 - —
Yellow, D&C, No. 7, cns....lb. 8.35 - —
No. 8, cns.....lb. 8.35 - —
No. 11, cns.....lb.10.35 - —

Dyes, coaltar (certified colors for external use drugs and cosmetics)—
Blue, Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb.12.35 - —
Red, Ext. D&C, No. 1, cns..lb.10.35 - —
No. 3, cns.....lb.21.85 - —
No. 8, cns.....lb. 7.85 - —
No. 10, cns.....lb.12.35 - —
No. 13, cns.....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns. lb. 8.35 - —

Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale)—
36 Chrome yellow, 2G...lb. .65 - .70
49 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste..lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F....lb. .85 - .88

Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale)—
304 Paper yellow.....lb. .85 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct ascrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
696 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
645 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L.lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Black—
[5] Nigrosin derivatives lb. .50 - .55

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Blue—
7075 Alizarin astrol base...lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alizarin cyanin green..lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
980 Oil violet.....lb. .80 - —
749 Rhodamine B (oil pink). lb. 2.50 -
1060 Anthraquinone,[6] violet base..lb. 6.00 - —
Yellow—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .67 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
[illegible] Indigotin [illegible] lb. .95 - —

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. . . and LIQUID 45 and 50%

• CARBONATE OF POTASH

CALCINED 99-100% - HYDRATED 83-85%

. . . and LIQUID 47%

• CHLORIDE of LIME (Bleaching Powder)

FREE FLOWING - 35-37% AVAILABLE CHLORINE

FERRIC CHLORIDE

(Iron Chloride)

60% $Fe Cl_3$ - Crystals

CAUSTIC SODA 76%

• SOLID • FLAKE

...and LIQUID 50 and 73%

Manufactured in our ISCO CHEMICAL DIVISION Plant at Niagara Falls, N. Y. Prompt deliveries from stocks maintained at New York and our Branches.

★ ★ ★

. . . AND FROM OUR CALIFORNIA MINES

ISCO TRINITY TALC

TOP QUALITY

Unexcelled in Purity, Slip and Color

• TRINITY COSMETIC

• TRINITY SUPERFINE

• TRINITY VAPOR

• SIERRA COSMETIC

Less than carload shipments from stocks maintained at New York and our Branches. Carloads direct from California Mines.

INNIS, SPEIDEN & CO.

117 LIBERTY STREET • NEW YORK 6

BOSTON 10 • CHICAGO 10 • CINCINNATI 2

CLEVELAND 15 • GLOVERSVILLE • PHILADELPHIA 8

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Blue—
- 714 Patent blue A ..... lb. 1.05 - 1.10

Brown—
- 231 Bismarck brown G ... lb. .47 - .62
- 234 Resorcin brown Y .... lb. .65 - —
- 235 Resorcin dark brown R, lb. .66 - —
- 332 Bismarck brown R ... lb. .47 - .62
- 793 Phosphin ..... lb. 4 65 - —

Green—
- 5 Naphthol green B .... lb. 1.00 - —
- 657 Malachite green ..... lb. 1.35 - —
- 662 Brilliant green ..... lb. 2.00 - —
- 666 Guinea green B ..... lb. 1.15 - —
- 737 Wool green S ..... lb. .58 - —
- 924 Methylene green B ... lb. 1.55 - —
- 1078 Alizarin cyanin green. lb. 2.00 - —

Orange—
- 10 Chrysodin G ..... lb. .44 - —
- 21 Chrysodin R ..... lb. .41 - —
- 27 Orange G ..... lb. .50 - —
- 31 Amidonaphthol red G. lb. .42 - —
- 37 Amidonaphthol red 6B, lb. .68 - —
- 151 Orange Y ..... lb. .31 - .33
- 161 Orange R ..... lb. .34 - —

Red—
- 79 Ponceau R ..... lb. .46 - —
- 88 Fast red B ..... lb. 1.65 - —
- 176 Fast red A[6] ..... lb. .54 - —
- 179 Azorubin ..... lb. .60 - —
- 183 Crocein scarlet 3BX .. lb. .72 - .76
- 185 Cochineal red A ..... lb. .60 - —
- 252 Brilliant crocein M ... lb. .68 - —
- 677 Fuchsin ..... lb. 2.10 - —
- 749 Rhodamine B ..... lb. 3.50 - —
- 752 Rhodamine 6B ..... lb. 4.50 - —
- 768 Eosin G ..... lb. 1.50 - —
- 841 Safranin ..... lb. 1.45 - —

Violet—
- 690 Methyl violet B ..... lb. .70 - .75
- 681 Crystal violet B ..... lb. 1.75 - —
- 695 Acid violet 4BN ..... lb. .88 - —

Yellow—
- 10 Naphthol yellow S .... lb. .88 - —
- 158 Metanil yellow ..... lb. .56 - .58
- 636 Fast light yellow ..... lb. 1.25 - —
- 639 Xylene light yellow .. lb. 1.15 - —
- 640 Tartrazin ..... lb. .80 - —
- 655 Auramine ..... lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
- 864 Nigrosin ..... lb. .36 - .44

Blue—
- 860 Indulin ..... lb. .60 - .70

Brown—
- 331 Bismarck brown ..... lb. 1.50 - —

Green—
- 637 Malachite green base. lb. 2.00 - —

Orange—
- 20 Chrysoidin G ..... lb. .95 - —
- 21 Chrysoidin R ..... lb. .96 - —

Red—
- 677 Fuchsin, magenta, base, lb. 7.25 - —
- 749 Rhodamine R ..... lb. 4.75 - —

Yellow—
- 67 Amidoazotoluene yellow, lb. .75 - —
- 655 Auramine ..... lb. 2.00 - —
- 800 Chinolin yellow SS ... lb. 2.00 - —

Violet—
- 680 Methyl violet base .... lb. .85 - —

Dyes, natural (see name of article).

E

- Echinacea root, bls ..... lb. .75 - .80
- Egg,[1,7] albumen (see Albumen).
- Yolk,[1,7] dried, dom., bbls .... lb. 1.06 - 1.12
- imported ..... lb. No stocks
- Elder flowers, bright, bls ..... lb. .75 - .85
- Elcampane root, bls ..... lb. .55 - .60
- Elm bark, grinding, bls ..... lb. .35 - .36
- powd., bbls., bxs ..... lb. .55 - .56
- select, bndls ..... lb. .55 - .56
- Emetine hydrochloride, bots .. oz. 44.50 -45.00
- Ephedra, bls ..... lb. .28 - .30
- Ephedrine, natural, USP, anhydrous, bots .. oz. 1.15 - 1.65
- Hydrochloride, tins ..... oz. .95 - 1.45
- Sulphate, tins ..... oz. .95 - 1.45
- Synthetic, USP, anhydrous, bots .. 100 ozs. .65 - —
- hydrous, bots., 100 ozs .. oz. .65 - —
- Hydrochloride, tin, 100 ozs .. oz. .50 - —
- Sulphate, cryst., tins, 100 ozs. oz. .48 - —
- Epinephrine, synth., USP, bots. gram. .75 - —
- Epsom salt, tech., cryst., bgs., c.l .. 100 lbs. 1.80 - 1.95
- l.c.l. ..... 100 lbs. 2.15 - 2.40
- dried, bgs ..... lb. .02½- —
- l.c.l., bgs ..... lb. .04 - .07
- USP, cryst., bgs., c.l .. 100 lbs. 2.00 - —
- l.c.l., 5,000 lbs., 1 withdrawal .. 100 lbs. 2.25 - —
- smaller lots .... 100 lbs. 2.50 - —
- bbls., c.l ..... 100 lbs. 2.10 - —
- l.c.l., 5,000 lbs., 1 withdrawal .. 100 lbs. 2.35 - —
- smaller lots ..... 100 lbs. 2.60 - —
- kgs., c.l ..... 100 lbs. 2.35 - —
- l.c.l., 5,000 lbs., 1 withdrawal .. 100 lbs. 2.60 - —
- smaller lots ..... 100 lbs. 2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Heuston, New Orleans, New York.

- Ergot, USP, cs ..... lb. 1.15 - 1.20
- Eserine, bots ..... oz. No prices
- Sulphate, 1-gram, vials .... vial. 2.10 - —
- Ether, acetic (see Ethyl acetate).
- Amyl (see Amyl ether).
- Butyl, l.c.l., dms., dlvd ..... lb. .30 - —
- Ethyl (see Ether, sulphuric).
- Nitrous, conc., bot., 100 lbs .. lb. .93 - 1.10
- Sulphuric, conc., dms ..... lb. .11 - .16
- USP anesthesia, hospitals, 1-lb. cns .. lb. .60 - .61
- Synthetic, dms., c.l., wks .... lb. .14½- —
- l.c.l., works ..... lb. .15½- —
- tanks ..... lb. .12½- —
- Ethyl acetate,[3] 85-90%, dms., c.l., frt. alld .. lb. .1050- .1200
- l.c.l., frt. alld ..... lb. .1100- .1250
- tanks, frt. alld ..... lb. .0950- .1100
- 95-98%, dms., c.l., frt. alld .. lb. .1075- .1275
- l.c.l., frt. alld ..... lb. .1125- .1325
- tanks, frt. alld ..... lb. .0975- .1175
- NF, dms ..... lb. .14½- .15½
- Acetoacetate, dms., c.l., works. lb. .37½- —
- l.c.l., frt. alld ..... lb. .38 - —
- Benzoate, bots ..... lb. .90 - 1.00
- Bromide, tech., dms ..... lb. .50 - .55
- Carbamate, dms., dlvd. E ... lb. .58 - —
- Chloride, tech., dms ..... lb. .18 - .20
- USP, bbls., cyl ..... lb. .20 - .22
- Cinnamate, cns ..... lb. 3.25 - 3.90
- Formate, dms., Agnue, Calif., lb. .26 - .32
- Iodide, bots ..... lb. 3.50 - 3.65
- Lactate, dms., works ..... lb. .39½- .50½
- Ethyl myristate, dms., works .. lb. .55 - —
- Oenanthate, dms ..... lb. 1.50 - 1.75
- Oleate, dms., l.c.l., works ... lb. .47 - —
- Oxalate, dms., frt. alld ..... lb. .33 - —
- Silicate, dms., l.c.l., works .. lb. .77 - —
- Ethylcellulose,[6] pkgs., 5,000 lbs. or more, works .. lb. .50 - —
- smaller lots, works ..... lb. .52 - .60
- Ethyldiethanolamine, dms., l.c.l., works .. lb. .80 - —
- Ethylene dichloride,[6] dms., c.l., works, frt. alld. E. of Rockies, frt. alld .. lb. .0642- —
- West of Rockies .. lb. .0891- —
- l.c.l., works, frt. alld. E. of Rockies .. lb. .0891- —
- West of Rockies .. lb. .0941- —
- tanks, frt. alld. E. of Rockies, lb. .0743- —
- West of Rockies .. lb. .0792- —
- Trichloride (see Trichloroethane).
- Ethyleneglycol, dms., c.l., frt. alld. in E .. lb. .10 - —
- l.c.l., same basis ..... lb. .11 - —
- tanks, same basis ..... lb. .09 - —
- Monobutylether, dms., c.l., wks. lb. .17½- —
- l.c.l., works ..... lb. .18½- —
- tanks, works ..... lb. .16½- —
- Monoethylether, dms., c.l., wks. lb. .15½- —
- l.c.l., works ..... lb. .16½- —
- tanks, works ..... lb. .14½- —
- Monoethylether acetate, dms., c.l., works .. lb. .13½- —
- l.c.l., works ..... lb. .14½- —
- tanks, works ..... lb. .12½- —
- Monoethylether, dms., c.l., wks. lb. .16½- —
- l.c.l., works ..... lb. .17½- —
- tanks, works ..... lb. .15½- —
- Ethylethanolamine, dms., c.l., works .. lb. .57 - —
- l.c.l., works ..... lb. .60 - —
- Ethylmonoethanolamine, l.c.l., dms., works .. lb. .80 - —
- Ethylmorphine hydrochloride, bots .. ozs. 10.50 -10.75
- Ethylvanillin,[1] cns., 5 lbs. or more .. lb. 5.25 - —
- smaller lots ..... lb. 5.30 - 5.40
- Eucalyptol, cns., dms ..... lb. 2.50 - 2.55
- Eucalyptus leaves, bls ..... lb. .10 - .16
- Eugenol, cns., dms ..... lb. 2.65 - 2.75
- Euphorbia, bls ..... lb. .16 - .17

F

- Feldspar, enamel, 100 mesh, l.c.l., bgs., min. 2 tons .. ton. 17.00 -20.50
- bulk, c.l ..... ton. 14.00 -17.50
- glass, 20 mesh, bgs., l.c.l., works, min. 2 tons .. ton. 12.75 -16.25
- bulk, c.l ..... ton. 9.75 -12.25
- pottery, bgs., l.c.l., works, min. 2 tons .. ton. 20.00 -22.00
- bulk, c.l., works ..... ton. 17.00 -19.00
- Fennel seed, Argentine, bgs .... lb. .19½ Nom.
- Indian, bgs ..... lb. .16¼ Nom.
- Fenugreek, domestic, bgs ..... lb. .12½- .14
- Indian, bgs ..... lb. No stocks
- Morocco, bgs ..... lb. .07¾- .09¼
- Ferric sulphate, anhyd., bgs., c.l., works .. ton. 35.00 - —
- l.c.l., works ..... ton. 40.00 - —
- Film scrap, colored, cs., works. lb. .12½- .15
- water-white, cs., works ..... lb. .14½- .17
- Fir balsam, Canada, cns ..... gal. 18.50 -20.00
- Oregon, bbls ..... gal. 2.45 - 2.50
- Fishberries, bgs ..... lb. .34 - .35
- Fishliver oils (see Oil, fishliver).
- Fishmeal,[1,7] grd., 60% protein, bgs., E. works .. ton. 72.50 - —
- 65% protein, bgs., E. works, ton. 78.50 - —
- Fishscrap,[7] dried, 60% protein, bulk, East coast .. ton. 66.50 - —
- Flake, white, bbls ..... lb. .09 - —
- kegs ..... lb. .11 - —
- Fleaseed, dom., French-type, bgs. lb. .82 - .84
- French, black, bgs ..... lb. No stocks
- Indian, blonde, bgs ..... lb. .18½- .22
- Fluorspar, No. 1, ground, 95-98% CaF_2, bulk, c.l., mines, net ton. 27.00 - —
- washed, gravel, 70% or more CaF_2, c.l., bulk, mines .. ton. 33.00 - —
- 65%, c.l., bulk, mines .... ton. 32.00 - —
- 60%, c.l., bulk, mines .... ton. 31.00 - —
- less than 60%, c.l., bulk, mines .. ton. 30.00 - —
- Formaldehyde,[1] bbls., c.l., works, lb. .0520- —
- l.c.l., works ..... lb. .0570- —
- dms., extra, c.l., works ..... lb. .0460- —
- l.c.l., works ..... lb. .0510- —
- tanks, works ..... lb. .0320- —
- tanktrucks, dlvd. N.Y.C ..... lb .0345- —
- Fringetree bark, bls ..... lb. .55 - .58
- Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines .. ton. 8.50 -15.00
- Tex. mines ..... ton. 12.50 - —
- spent, bulk, Bayonne .... ton. 3.00 - —
- Chicago ..... ton. 4.00 - —
- imp., bgs., c.l ..... ton. 30.00 -40.00
- Furfural, ref., dms., c.l., works. lb. .15½- —
- cns., dms., l.c.l., works .... lb. .18½- .25½
- tech., dms., c.l., works ..... lb. .13 - —
- l.c.l., cns., dms ..... lb. .15½- .20½
- tanks, works ..... lb. .09½- —
- Fusel oil, crude, dms., works. gal. .75 - —
- refd., dms., dlvd ..... lb. .18½- .19½
- Fustic extract, cryst., No. 1, bbls., l.c.l .. lb. .35 - —
- No. 1A, bbls., l.c.l ..... lb. .34 - —
- No. 2, bbls., l.c.l ..... lb. .33 - —
- No. 3, bbls., l.c.l ..... lb. .31 - —
- liquid, No. 0, bbls., l.c.l ... lb. .19 - —
- No. 1, bbls., l.c.l ..... lb. .17½- —
- No. 2, bbls., l.c.l ..... lb. .16½- —
- No. 3, bbls., l.c.l ..... lb. .14 - —
- solid, No. 1, bxs., l.c.l .... lb. .30½- —

G

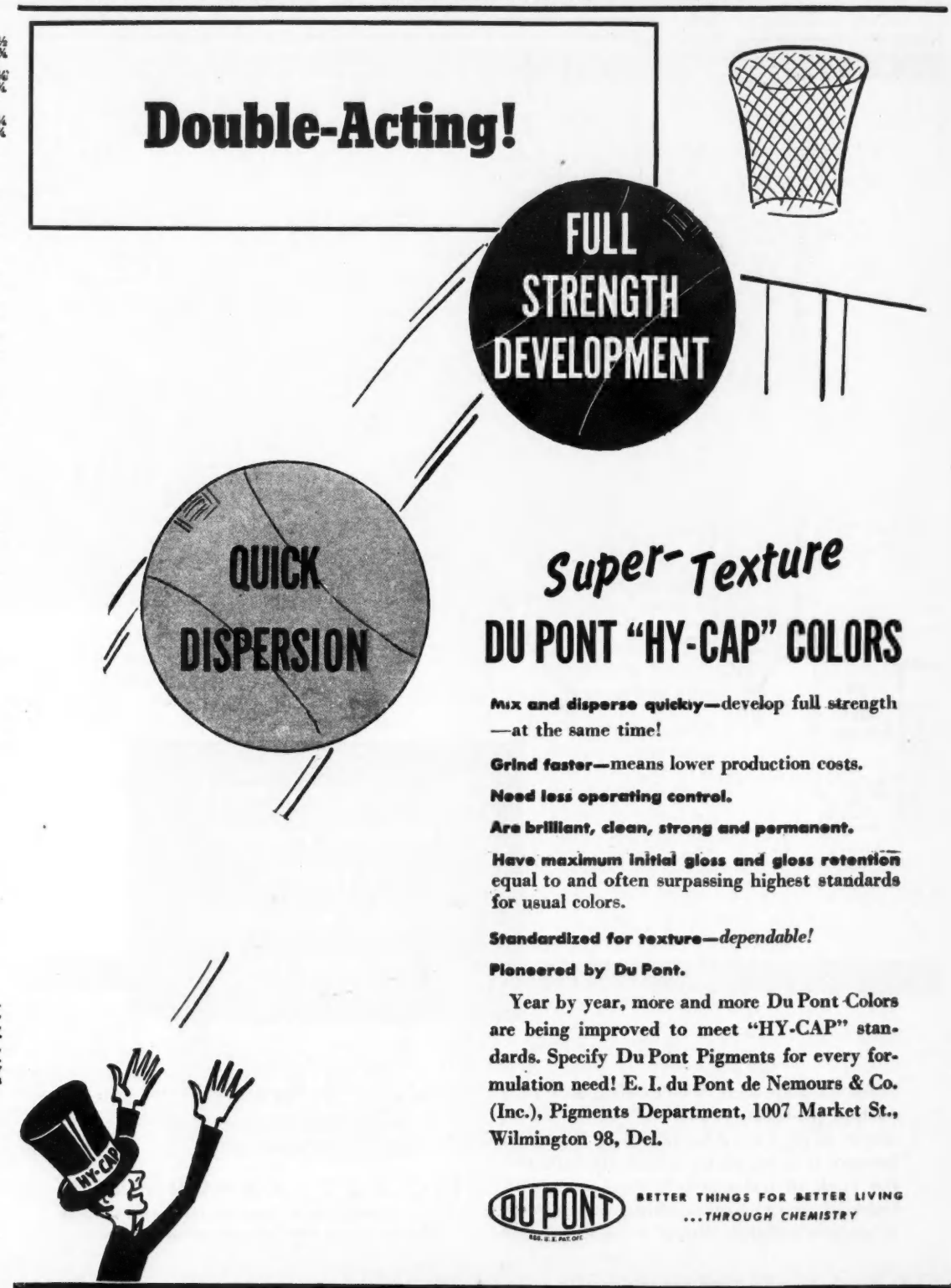
- G salt, bbls ..... lb. .45 - —
- Galangal root, bls ..... lb. .24 - .25
- Gambier, cube, Singapore, cs .. lb. No stocks
- Extract, bbls ..... lb. No stocks
- Gammapicoline, 95%, dms., c.l., works .. lb. 1.35 - —
- Gasoline[1] at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .06 - —
- Bayonne, 73-75 oct., tanks ... gal. .06 - —
- Gulf Coast, 73-75 oct., tanks, gal. .06 - —
- Group 3, 75 oct., tanks ... gal. .06 - —
- Pennsylvania, western, US motor, 70-74 octane, leaded, tanks .. gal. .0655- .0775
- natural, 28/70, Group 3, tanks, gal. .04½- .04¾
- Gelatin, silver label, ctns., dlvd. lb. .96 - .97
- export, cs ..... lb. 1.00 - —

Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.

- Gelsemium root, bls ..... lb. No stocks
- Gentian root, bls ..... lb. .44 - .46
- grd., bbls., bxs ..... lb. .56 - .57
- powd., bbls., bxs ..... lb. .97 - .98

Geraniol, 92-96%, cns, dms....lb.	No prices	
Geranyl acetate, cns.....lb.	3.50	- 3.60
Ginger,[1] African, No. 1, bls...lb.	.15½-	.16
Calicut, bgs.....lb.	.16½-	.17
Romeo-type, bgs.....lb.	.16¾-	.17
Cochin, bleached, bgs.....lb.	.17½-	.18
unbleached, bgs..... ....lb.	.16¾-	.17
Ginger,[1] African, No. 1, bls...lb.	.15¼-	.15¾
No. 2, bgs.....lb.	.21½-	.22
No. 3, bgs.....lb.	.17¼-	.18
Rhattoon, bgs.....lb.	.17¼-	.18
Rhattoon, bgs.....lb.	.17¼-	.17¾
Glaubers salt, anhyd. (see Soda sulphate).		
cryst., bgs., bbls., works.... 100 lbs.	1.05	- 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb.	.16	- —
30/58, bgs., c.l., same basis..lb.	.15½-	—
58/82, bgs., c.l., same basis..lb.	.17	- —
82/108, bgs., c.l., same basis..lb.	.18½-	—
Bone glue l.c.l. prices 1c. higher than c.l. bbls., ½c. over bgs.		
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd.lb.	.14	- .21½
122-149, bgs., c.l., dlvd....lb.	.15	- .22½
150-177, bgs., c.l., dlvd....lb.	.16	- .23½
178-206, bgs., c.l., dlvd....lb.	.17	- .24½
207-236, bgs., c.l., dlvd....lb.	.18	- .25½
237-266, bgs., c.l., dlvd....lb.	.19	- .26½
267-298, bgs., c.l., dlvd....lb.	.20	- .27½
299-330, bgs., c.l., dlvd....lb.	.21	- .28½
331-362, bgs., c.l., dlvd....lb.	.23	- .29½
363-394, bgs., c.l., dlvd....lb.	.23	- .30½
395-427, bgs., c.l., dlvd....lb.	.24	- .31½
428-460, bgs., c.l., dlvd....lb.	.25	- .32½
461-494, bgs., c.l., dlvd....lb.	.26	- .33½
495-529, bgs., c.l., dlvd....lb.	.27	- .34½
Hide glue l.c.l. prices 1c. higher than c.l. bbls., ½c. over bgs.		
Glycerin, crude, saponification, 88%, to refiners, tanks...lb.	.12¾-	—
soaplye, 80%, tanks.....lb.	.11½-	—
dynamite, dms., c.l.....lb.	.16½-	.18½
l.c.l. .....lb.	.17	- .18¾
tanks .....lb.	.16½-	.18
high gravity, dms., c.l.....lb.	.16¾-	.18½
l.c.l. .....lb.	.17¼-	.18¾
tanks .....lb.	.16½-	.18
ref., USP, CP, 95%, dms., c.l. lb.	.17¼-	.18¼
l.c.l. .....lb.	.17¼-	.18¾
tanks .....lb.	.17	- .18
B. P., 98%, dms., c.l.....lb.	.17¾-	—
l.c.l. .....lb.	.18¼-	—
tanks .....lb.	.17½-	—
yellow, distilled, dms., c.l..lb.	.14¾-	—
l.c.l. .....lb.	.17½-	—
tanks .....lb.	.16¾-	—
Glycine, USP, bbls., tins.....lb.	1.25	- 1.30
Glycol boriborate, dms.....lb.	.22	- —
Stearate, dms.....lb.	.26	- —
Gold chloride, acid-brown, bots. oz.	20.75	-21.00
acid-yellow, bots.....oz.	18.75	-19.00
Gold-soda chloride, photo., bots.. oz.	13.00	- —
USP IX, bots.....oz.	14.50	-14.75
Goldenseal root, bls.....lb.	8.25	- 8.35
powd., bxs.....lb.	8.50	- 8.60
Gold of pleasure seed, bgs....lb.	No stocks	
Grains of paradise, bgs.....lb.	.30	- .37
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb.	.04¼-	—
70-75%, bgs., same basis. lb.	.05	- —
75-80%, bgs., same basis. lb.	.05½-	—
80-85%, bgs., same basis. lb.	.06	- —
85-90%, bgs., same basis. lb.	.07	- —
90% and up, same basis. lb.	.08	- —
Grease, house,[1,7] loose.....lb.	.08¼-	—
White, choice, loose.....lb.	.08⅞-	—
Wool (see Adeps lanae and Degras).		
Green, brilliant,[1] thioflavin toner, molybdic, kgs., works..lb.	3.25	- —
tungstic, kgs., works.....lb.	3.75	- —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb.	.23	- —
15%, bbls., same basis...lb.	.25	- —
20%, bbls., same basis...lb.	.25½-	—
21-25%, bbls., same basis.lb.	.26	- —
26-30%, bbls., same basis.lb.	.26½-	—
31-35%, bbls., same basis.lb.	.27½-	—
36-40%, bbls., same basis.lb.	.29	- —
41-45%, bbls., same basis.lb.	.30½-	—
46-50%, bbls., same basis.lb.	.32	- —
reduced colors, 5%, bbls., same basis...lb.	.06¾-	—
9-10%, bbls., same basis.lb.	.07½-	—
11-13%, bbls., same basis.lb.	.08	- —
14-16%, bbls., same basis.lb.	.08¼-	—
17-19%, bbls., same basis.lb.	.08½-	—
20-21%, bbls., same basis.lb.	.08¾-	—
22-23%, bbls., same basis.lb.	.09	- —
24-25%, bbls., same basis.lb.	.09¼-	—
26-27%, bbls., same basis.lb.	.09½-	—
28-29%, bbls., same basis.lb.	.10	- —
30-31%, bbls., same basis.lb.	.10½-	—
32-33%, bbls., same basis.lb.	.12	- —
34-35%, bbls., same basis.lb.	.12	- —
36-40%, bbls., same basis.lb.	.14	- —
41-45%, bbls., same basis.lb.	.17	- —
46-50%, bbls., same basis.lb.	.17½-	—
51-55%, bbls., same basis.lb.	.18	- —
56-60%, bbls., same basis.lb.	.18½-	—
61-65%, bbls., same basis.lb.	.19	- —
70%, bbls., same basis....lb.	.20	- —
71-75%, bbls., same basis.lb.	.21	- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.		
Chrome oxide, pure, dms., wks. lb.	.24	- —
Malachite, thioflavin toner, molybdic, bbls., works..lb.	3.00	- —
tungstic, bbls., works....lb.	3.50	- —
Phthalocyanin,[5] tetrahydroxide (hydrated chromium oxide), bbls., works..lb.	.85	- —
toner, bbls., works.....lb.	4.00	- 5.00
Paris (see P).		
Tungstated, brilliant, kgs...lb.	3.00	- —
emerald, kgs.....lb.	2.60	- —
Verdigris (see V).		
Green dyes (see Dyes, coaltar)		
Grindelia robusta, bls.....lb.	.21	- .28
Guaiac, resin, cs.....lb.	.26	- .32
Wood, bls.....lb.	.05	- .06
Guaiacol, liquid, 5lb. dms.....lb.	1.75	- 2.01
Carbonate, dms.....lb.	2.40	- 2.74
Guanidin carbonate,[1] bbls., c.., works..lb.	.57	- —
l.c.l., works.....lb.	.58	- .73¼
Guarana, powd., cs.....lb.	2.00	- 2.10
Gum accroides (see Gum, yacca).		
Aloe (see A).		
Ammoniac, tears, cs.....lb.	.90	- .95
Arabic, amber, sorts, bgs...lb.	.11½-	.12
white, sorts, 1, bgs.....lb.	.28	- .30
Asafetida (see A).		
Asphaltum (see A).		
Benzoin, artificial, cns..lb.	1.75	- 2.25
Siam, cs.....lb.	3.00	- 3.50
Sumatra, cs.....lb.	.52	- 1.00
Camphor (see C).		
Copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse..lb.	.53¾-	—
31, bgs., c.l., same basis, lb.	.21½-	—
32, bgs., c.l., same basis, lb.	.16¾-	—
33, bgs., c.l., same basis, lb.	.14¾-	—
34, bgs., c.l., same basis, lb.	.09¾-	—
35, bgs., c.l., same basis, lb.	.15¾-	—
36, bgs., c.l., same basis, lb.	.12¾-	—
37, bgs., c.l., same basis, lb.	.18¾-	—
38, bgs., c.l., same basis, lb.	.12¾-	—
39, bgs., c.l., same basis, lb.	.10¾-	—
40, bgs., c.l., same basis, lb.	.09½-	—
41, bgs., c.l., same basis, lb.	.11¾-	—
unsorted, No. 1, bgs., same basis..lb.	.15¾-	—
2, bgs., c.l., same basis.lb.	.13½-	—
3, bgs., c.l., same basis.lb.	.12¼-	—
FAD, bgs., c.l., same basis, lb.	.15¾-	—
East India,[1] Batu, bold, scraped, c.l., same basis..lb.	.10¼-	—
unscraped, same basis.lb.	.09	- —
chips, same basis...lb.	.05¾-	—
dust, same basis...lb.	.05½-	—
Gum, copal, Momboyo, No. 1, bgs., c.l., ex dock or port, whse..lb.	.13¼-	—
nubs and chips, same basis, lb.	.05¾-	—
black, bold, scraped, bgs., lb.	.12	- —
unscraped .....lb.	.07½-	—
nubs and chips, same basis..lb.	.07¼-	—
pale, Hiro-Macassar,[1] bold, bgs., c.l., same basis..lb.	.17¾-	—
chips, same basis...lb.	.11½-	—
dust, same basis...lb.	.05½-	—
nubs, same basis...lb.	.12¾-	—
Singapore, Rasak, bold, bgs., same basis..lb.	.23¾-	—
chips, same basis...lb.	.11¾-	—
dust, same basis...lb.	.05½-	—
nubs, same basis...lb.	.16¾-	—
Macassar,[1] dust., bgs., c.l., same basis..lb.	.07¾-	—
MA, same basis.....lb.	.09¾-	—
MB, same basis.....lb.	.09¼-	—
WS, bgs., same basis.....lb.	.11¾-	—
Manila, Boeas,[1] hard, bold, amber, light, bskts., c.l., same basis..lb.	.13½-	—
dark, light, same basis..lb.	.14½-	—
white, same basis.....lb.	.15½-	—
Loba,[1] A, bgs., c.l., same basis..lb.	.14	- —
B, same basis.....lb.	.13¾-	—
C, same basis.....lb.	.13¾-	—
CBB, same basis.....lb.	.12	- —
CNE, same basis.....lb.	.10	- —
D, same basis. .....lb.	.12¾-	—
DBB, same basis.....lb.	.11	- —
DK, same basis.....lb.	.09½-	—
DU, same basis.....lb.	.08¾-	—
dust, same basis.....lb.	.07¾-	—
WB, same basis.....lb.	.09¼-	—
WS, same basis.....lb.	.11¾-	—
Gum, copal, Manila-Singapore,[1] white split chips, bgs., c.l., same basis..lb.	.15½-	—
dust, same basis.....lb.	.07¾-	—
whse., entry point, c.l..lb.	.09¾-	—
Philippine,[1] Manila, extra bold and bold, pale, scraped, bskts., same basis..lb.	.15	- —
extra bold, sorts, bgs., c.l., same basis..lb.	.12¾-	—
pale chips, bold, same basis, lb.	.13	- —
nubs, WCB, same basis..lb.	.13¾-	—
seeds, dust, same basis...lb.	.06¾-	—
SG, same basis.....lb.	.10¼-	—
small chips, same basis..lb.	.11¾-	—
Pontianak, bold, scraped, bgs., c.l., same basis..lb.	.23¾-	—
mixed, same basis.....lb.	.17¾-	—
chips, small, same basis..lb.	.12¾-	—
cuttings of split, same basis, lb.	.19½-	—
nubs, same basis.....lb.	.18	- —
Gum copal, l.c.l., prices ¼c. to ½c. higher.		
Gum, dammar,[1] Batavia, A, cns., c.l., same basis..lb.	.35¾-	—
A/C, same basis.....lb.	.31¼-	—
A/D, same basis.....lb.	.28¾-	—
A/E, same basis.....lb.	.25¾-	—
B, same basis.....lb.	.24¾-	—
C, same basis.....lb.	.26¾-	—
D, same basis.....lb.	.25¾-	—
E, same basis.....lb.	.18¾-	—
F, same basis.....lb.	.13¾-	—
dust, same basis.....lb.	.13¾-	—
Singapore,[1] No. 1, c.a., c.l.lb.	.30¾-	—
2, bgs., same basis.....lb.	.25	- —
3, bgs., same basis.....lb.	.12¾-	—
chips, cs., same basis....lb.	.23½-	—
dust, bgs., same basis...lb.	.13	- —
seeds, cs., same basis....lb.	.17¼-	—
Gum, dammar, l.c.l., prices ¼c. to ½c. higher.		

Double-Acting!



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DU PONT "HY-CAP" COLORS

Gum, elemi,[1] cns., c.l., ex dock or whse. entry port..lb. .09¼- .09¾
Ester, gum-rosin, type[1,4] dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., dlvd. Ill., etc.....lb. .1325- —
other points, same basis. lb. .1400- —
wood-rosin type (formerly designated as "ordinary"), dms., c.l., dlvd. Ill., Ind., etc..lb. .1050- .1075
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.00 - 1.05
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .18 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .18 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2, extra, same basis...lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
1x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis. lb. .20¾- —
extra, same basis.....lb. .25½- —
dust, pale, same basis...lb. .20¾- —

Gum, kauri, white, extra, No. 1, same basis..lb. .45 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior No. 1, same basis, lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.60 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. .60 - .65
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .21 - .35
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac,[1] casks.....lb. .97½- .99½
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.80 - 3.90
No. 2, cs.....lb. 2.75 - 2.80
No. 3, cs.....lb. 2.15 - 2.60
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered.....lb. .07¼- —

Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.30.65 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N.Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —

Gypsum, plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equal. ton.12.50 - —

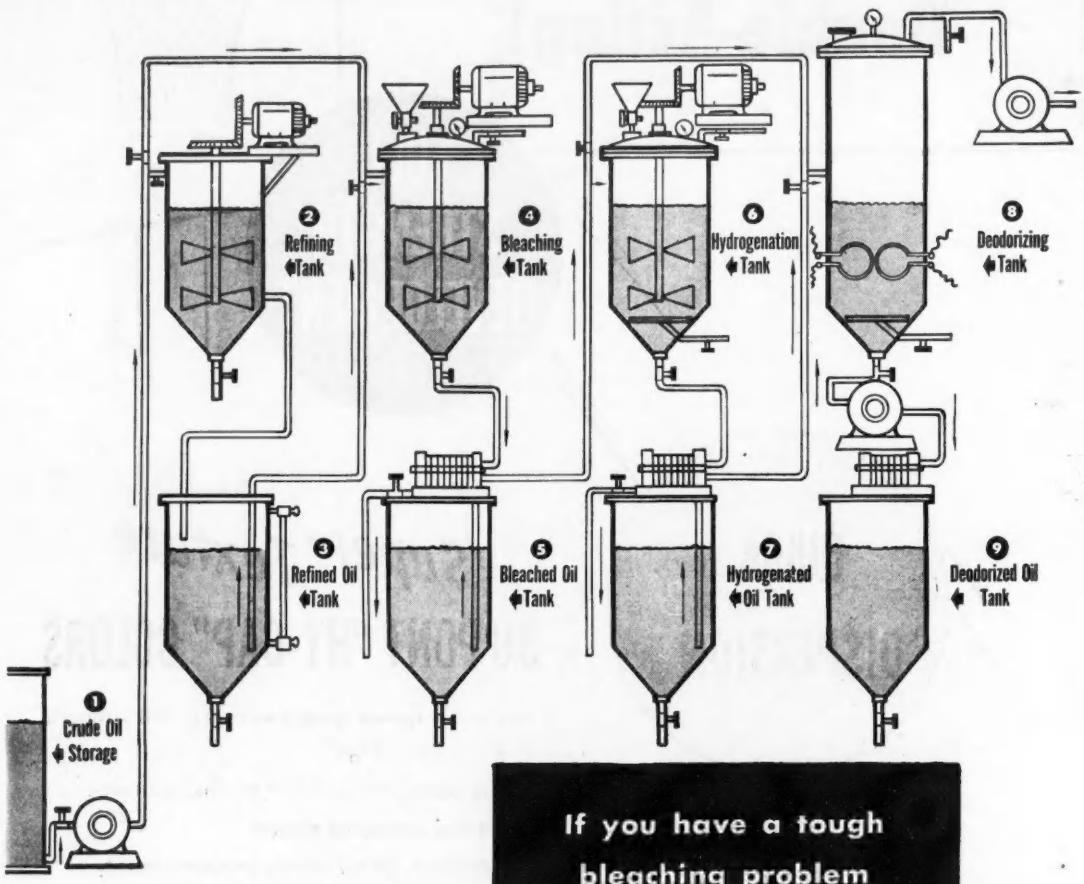
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y.; works..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla., works. ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .57 - .60
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.75
Hematine extract, cryst., No. 0, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1,6] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.35 - 1.50
Henna leaves, bls.....lb. .16 - .17
powd. bbls., bxs.....lb. .21 - .23
Heptane,[1] 50°-100° C., industrial grade, dms., c.l., Group 3, gal. .13¾- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10¼- —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10¼- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....ga.l .29 - .55
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanone).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10¼- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - .55
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammon., bulk, c.l., Chicago..unit-ton. 4.50 - 5.00
Hops, NF, bls.....lb. .56 - 1.50
Horehound, bls.....lb. .10½- .13
Hydrangea root, bls.....lb. No prices
Hydrastine, alkaloid, bots.....oz.20.00 -25.00
Hydrochloride, bots.....oz.20.00 -32.00
Sulphate, bots.....oz.29.00 -33.00
Hydrastinine, 10-gr. bots.....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .18¾
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 5.75 - 5.80
dms., extra, ret'able, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots.....oz.16.00 -20.00
Hydrobromide, bots.....oz.16.00 -20.00
Sulphate, bots.....oz.16.00 -20.00
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .39 - —
Hyssop, bgs.....lb. 1.25 - 1.30

I

Iceland moss, bgs.....lb. .50 - .55
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.18.00 -23.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs.....lb. 1.28¾- —
resubl., 5-lb. bots., jars.....lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
25-lb. jars or fib. dms.....lb. 4.20 - —
Ionone, ketone, bot.....lb. 5.00 - 5.05
Methyl, bot.....lb. 5.25 - 5.30
Ipecac root, bgs.....lb. No prices
powd., bgs.....lb No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 60-80 mesh, bbls..lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd., 60-80 mesh, bbls..lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 6.50 - 6.85
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb. .07 - .08½
solut., 42 Be, cbys., works, frt. alld. or equald...lb. .03½- .04
djns., same basis.....lb. .10 - —
Citrate, USP VIII, gran., dms., lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls.....lb. 3.30 - 3.40
cns., 25 lbs.....lb. 3.52 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.32
Naphthenate, 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .33 - .35
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Phosphate, soluble, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .63
Reduced, 90%, kgs.....lb. .65 - .75
Resinate,[4] 7.4% Fe, 100-lb. dms..lb. .17½- —
Sulphate, tech. (see Cooperas, and Ferric sulphate).
USP, cryst., bbls., dms....lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scales, dms.....lb. .49 - .52
Oxalate, bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .29½
Iron-soda oxalate, bbls., dms..lb. .23½- .26½
Isobornyl acetate, cns., works.lb. .90 - .95
Isobutyl acetate,[4] dms., works.lb. No prices
Propionate, dms., works.....lb. No prices
Isoeugenol, cns., works.....lb. 4.05 - 4.25
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works..lb .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l., E. of Rockies, same basis..lb. .11½- .12
tanks, E. of Rockies, same basis..lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Ether, dms., c.l., dlvd.....lb. .06 - —
l.c.l. .....lb. .06½- —
tanks, dlvd.....lb. .04½- —
Isopropylamine, dms., works..lb. .35 - —



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PHOSPHORUS (YELLOW)
PHOSPHORIC ANHYDRIDE
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PHOSPHORIC ACID—85%
PHOSPHORIC ACID—75%
MONOSODIUM PHOSPHATE
DISODIUM PHOSPHATE
(Anhydrous and Duohydrate)
TRISODIUM PHOSPHATE
SODIUM ACID PYROPHOSPHATE
TETRASODIUM PYROPHOSPHATE
AMMONIUM PHOSPHATES
CALCIUM PHOSPHATES (Mono-Di-Tri)
CALCIUM PYROPHOSPHATE
POTASSIUM PHOSPHATES
MAGNESIUM PHOSPHATES
SODIUM IRON PYROPHOSPHATE
IRON ORTHOPHOSPHATE
FERRO PHOSPHORUS
SPECIAL PHOSPHATES
FOR SPECIAL APPLICATIONS

J

Jaborandi leaves, bls.	lb.	.09 - .10
Jalap root, NF, bls.	lb.	.32 - .33
powd., bbls., bxs.	lb.	.38 - .39
Resin, lump, cns.	lb.	5.85 - —
powd., bxs.	lb.	5.90 - —
Juniper berries, dom., bgs.	lb.	.45 - .70
Juniper tar, USP, dms.	lb.	.80 - 1.00

K

Kalama, cns.	lb.	.48 - .49
Kaolin (see China clay).		
Kava kava root, bls.	lb.	.25 - .28
Kerosene, at refinery: Ark., 42-44 w.w., tanks.	gal.	.04½- —
Bayonne, 41-43 w.w., tanks.	gal.	.050 - —
California, 40-43 w.w., tanks.	gal.	.07 - —
Gulf ports, 41-43 w.w., tanks.	gal.	.04⅝- —
Okla.-Tex., 41-43 w.w., tanks.	gal.	.04⅝- —
Penn., 45 w.w., tanks.	gal.	.06425- .0665
47 w.w., tanks.	gal.	.0655- —
Kola nuts, bgs.	lb.	.09 - .10
Kyanite, imp., low iron content, 10-mesh, whse.	ton.	85.00 -95.00
calcined, grain, 10-mesh, whse.	ton.	95.00 -105.00

L

Ladyslipper root, bls.	lb.	1.35 - 1.40
Lanolin (see Adeps lanae).		
Lard,[1,7] pure, ref. tres.	lb.	.1523½- —
prime steam, tres.	lb.	.1448- —
Larkspur seed, bgs.	lb.	1.10 - 1.15
Laurel berries, bls.	lb.	.23 - .26
Leaves, Cyprus, bls.	lb.	.23½- .25½
Greek, bls.	lb.	No stocks.
Portuguese, bls.	lb.	.14½- .15½
Turkish, futures, bls.	lb.	.20 - .21
Lavender flowers, medium, bls.	lb.	.75 - .80
ordinary, bls.	lb.	.60 - .65
select, bls.	lb.	.90 - .95
Lead, acetate,[1] white, broken, bbls.	lb.	.12½- —
cryst., bbls.	lb.	.12½- —
gran., powd., bbls.	lb.	.13¼- —
Arsenite,[1,2] basic, powder, 3-lb. bgs., or larger, c.l.	lb.	.11½- .12
l.c.l.	lb.	.12 - .12½
1-lb. ctns., c.l.	lb.	.18½- .22½
l.c.l.	lb.	.19 - .23
standard, paste, cns, c.l.	lb.	.05⅝- .06
l.c.l.	lb.	.06 - .06¼
powder, 3-lb. bgs., or larger, c.l.	lb.	.11 - .11½
1-lb. bgs., c.l.	lb.	.16 - .20
l.c.l.	lb.	.16½- .20½
1-lb ctns., c.l.	lb.	.18 - .22
l.c.l.	lb.	.18½- .23½
½-lb. ctns., c.l.	lb.	.21 - .25
¼-lb. ctns., l.c.l.	lb.	.21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07½- —
l.c.l., dlvd. E., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07¾- —
	lb.	.07¾- —
	lb.	.08 - —

Lead, carbonate (see Lead, white).		
Chloride, fib. dms.	lb.	.49 - —
Iodide, NF V, bots.	lb.	2.80 - —
jars	lb.	2.69 - —
Linoleate, pale, precip., bbls.	lb.	.22½- —
Metal,[1,6] (see Protective Coatings Materials market).		
Metallic paste, dms., works.	lb.	No stocks.
Naphthenate, 24%-30%, Pb.	lb.	.14½- .17½
Nitrate, bbls.	lb.	.12½- —
Oleate, bbls.	lb.	.17¾- —
Peroxide, powd., tech., bbls.	lb.	.23 - .26

Red, 95% Pb_3O_4 or less, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.

other points.	lb.	.09½- —
	lb.	.09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash.	lb.	.09¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash.	lb.	.10¾- —
Colo., Mont., N. Mex., Wyo.	lb.	.10 - —
other points.	lb.	.09½- —
smaller lots, Ala., etc.	lb.	.10¾- —
Ariz., etc.	lb.	.10¾- —
Colo., etc.	lb.	.10½- —
other points.	lb.	.09¾- —

Red, red, 97% Pb_3O_4, bbls., l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10 - —
Ariz., etc.	lb.	.10½- —
Colo., etc.	lb.	.10½- —
other points.	lb.	.09¾- —
smaller lots, dlvd. Ala.,	lb.	.10¾- —
Ariz., etc.	lb.	.11 - —
Colo., etc.	lb.	.10¾- —
other points.	lb.	.10¼- —
96%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc.	lb.	.09¾- —
other points.	lb.	.09½- —
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10¾- —
Ariz., etc.	lb.	.10¾- —
Colo., etc.	lb.	.10½- —
other points.	lb.	.10 - —
smaller lots, dlvd. Ala., etc.	lb.	.10½- —
Ariz., etc.	lb.	.11¼- —
Colo., etc.	lb.	.11 - —
other points.	lb.	.10½- —
Resinate,[4] precip., 23.5% Pb., dms.	lb.	.17½- —
Silicate, bgs.	lb.	.0730- .0780
Soyate, 26.15% Pb., dms.	lb.	.22¼- —
Stearate, bbls.	lb.	.31 - .33
Sulphate (see Lead, blue; Lead, white, basic sulphate).		
Tallate, 10% Pb, dms.	lb.	.06½- —
Titanate, bgs., bbls., c.l., works, frt. alld.	lb.	.11 - —
l.c.l., 5 tons, one delivery, E., frt. alld.	lb.	.11¼- —
Pac. Cst., ex whse.	lb.	.11½- —
smaller lots, E. frt. alld.	lb.	.11½- —
Pac. Cst., ex whse.	lb.	.11¾- —

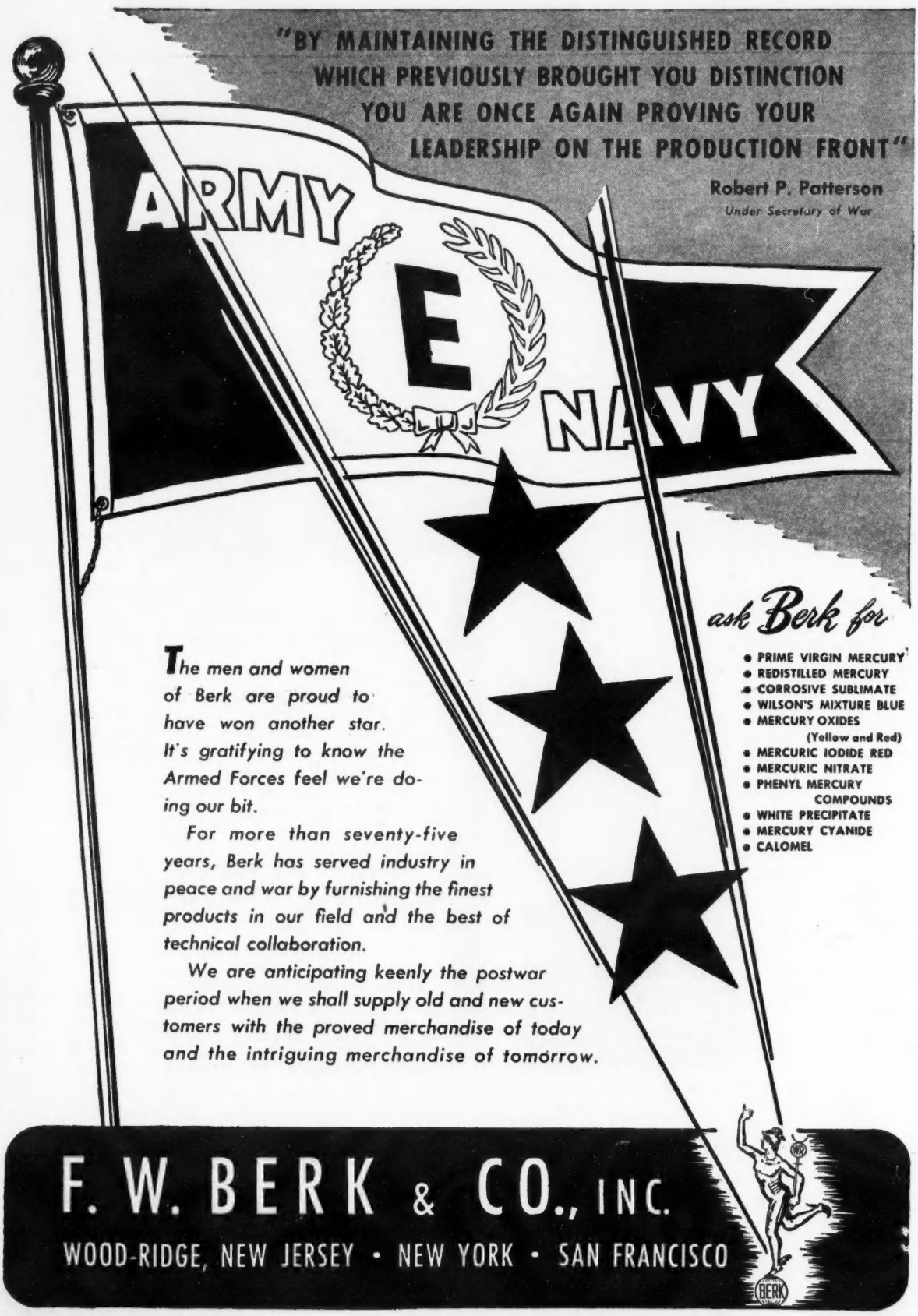
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.

	lb.	.08½- —
dlvd. other points.	lb.	.08¼- —
l.c.l., dlvd. Ariz., etc.	lb.	.08¾- —
other points.	lb.	.08½- —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc.	lb.	.07½- —
other points.	lb.	.07¼- —
l.c.l., dlvd. Ariz., etc.	lb.	.08 - —
other points.	lb	.07½- —
in oil, consumers, kgs.	lb.	.13¼- .13¾
painters, kgs.	lb.	.12¼- .12½
Lecithin, edible, dms., c.l.	lb.	.25¼- —
l.c.l.	lb.	.26½- .45
in cocoa butter, dms., c.l.	lb.	.39½- —
l.c.l.	lb.	.40¾- .50
tech., dms., c.l.	lb.	.25¼- —
l.c.l.	lb.	.26½- .45
vegetable, pure, bots, 100 lbs.	lb.	2.75 - —
Lemon peel, bls.	m.	.30 - .35
Licorice extract, mass, cns.	lb.	.25 - .72
powd., bbls.	lb.	.60 - .88
Root, Indian, bls.	lb.	.12 - .14
powder, bbls.	lb.	.18 - .20
Russian, bls.	lb.	.12 - .13
Spanish, bls.	lb.	.12 - .13
Turkish, bls.	lb.	.12 - .13
Lignin extract, tanning grade, bgs., c.l., works.	lb.	.04 - —

Lime, chemical (quicklime) lump, pebble, Adams, Mass.	ton.	8.00 - —
Annville, Pa.	ton.	7.50 - —
Bellefonte, Pa.	ton.	7.50 - —
Berkeley, W. Va.	ton.	7.50 - —
Buffalo, N. Y.	ton.	9.25 - —
Carey, Ohio.	ton.	7.00 - —
Cedar Hollow, Pa.	ton.	8.50 - —
Crab Orchard, Tenn.	ton.	6.90 - —
Eagle Mountain, Va.	ton.	7.65 - —
Farnams, Mass.	ton.	8.00 - —
Gibsonburg, Ohio.	ton.	7.50 - —
Hannibal, Mo.	ton.	8.50 - —
Keystone, Ala.	ton.	6.90 - —
Knoxville, Tenn.	ton.	6.90 - —
Limedale, Ark.	ton.	7.00 - —
Longview, Ala.	ton.	6.90 - —
Manistique, Mich.	ton.	8.00 - —
Marblehead, Ohio.	ton.	7.50 - —
Martinsburg, W. Va.	ton.	7.50 - —
Menominee, Mich.	ton.	8.00 - —
Mitchell, Ind.	ton.	6.50 - —
Newals, Ala.	ton.	6.90 - —
Ripplemead, Va.	ton.	7.65 - —
Riverton, Va.	ton.	7.65 - —
Rockland, Maine.	ton.	8.00 - —
Scioto, Ohio.	ton.	6.50 - —
Sherwood, Tenn.	ton.	6.90 - —
Sherwood, Wisc.	ton.	8.50 - —
Springfield, Mo.	ton.	7.00 - —
Woodville, Ohio.	ton.	7.50 - —
York, Pa.	ton.	7.50 - —
Hydrated, Adams, Mass.	ton.	9.00 - —
Annville, Pa.	ton.	9.00 - —
Bellefonte, Pa.	ton.	9.00 - —
Berkeley, W. Va.	ton.	9.00 - —
Buffalo, N. Y.	ton.	9.50 - —
Carey, Ohio.	ton.	8.50 - —
Cedar Hollow, Pa.	ton.	10.00 - —
Crab Orchard, Tenn.	ton.	9.65 - —
Eagle Mountain, Va.	ton.	9.15 - —
Farnams, Mass.	ton.	9.00 - —
Gibsonburg, Ohio.	ton.	8.50 - —
Hannibal, Mo.	ton.	8.50 - —
Keystone, Ala.	ton.	10.65 - —
Knoxville, Tenn.	ton.	9.65 - —
LeRoy, Minn.	ton.	10.00 - —
Limedale, Ark.	ton.	9.00 - —
Longview, Ala.	ton.	9.65 - —
Manistique, Mich.	ton.	9.50 - —
Marblehead, Ohio.	ton.	9.50 - —
Martinsburg, W. Va.	ton.	9.00 - —
Mitchell, Ind.	ton.	9.00 - —
Mitchell, Ind.	ton.	9.00 - —
Newals, Ala.	ton.	9.65 - —
Petoskey, Mich.	ton.	9.00 - —
Port Island, Mich.	ton.	9.00 - —
Rapid City, S. Dak.	ton.	12.00 - —
Ripplemead, Va.	ton.	9.15 - —
Rockland, Maine.	ton.	9.00 - —
Scioto, Ohio	ton.	8.00 - —
Sherwood, Tenn.	ton.	10.65 - —
Sherwood, Wisc.	ton.	10.00 - —
Springfield, Mo.	ton.	9.00 - —
Woodville, Ohio.	ton.	8.50 - —
York, Pa.	ton.	9.00 - —
Lime, spray, paper bgs., Adams, Mass.	ton.	10.00 - —
Annville, Pa.	ton.	10.00 - —
Bellefonte, Pa.	ton.	10.00 - —
Carey, Ohio.	ton.	11.00 - —
Farnams, Mass.	ton.	9.50 - —
Gibsonburg, Ohio	ton.	10.00 - —
Marblehead, Ohio.	ton.	10.00 - —
Rockland, Maine.	ton.	10.00 - —
Scioto, Ohio.	ton.	10.00 - —
Woodville, Ohio.	ton.	10.00 - —
York, Pa.	ton.	10.00 - —

Lime salts (see Calcium).

Lime-ammonia-nitrogen[2] 20.5% N. (see Ammonia nitrate-limestone).		
Linalool, cns.	lb.	7.75 - 7.80
Linalyl acetate, ex lignaloe wood, bots.	lb.	8.25 - 8.40
ex petitgrain, bots.	lb.	3.75 - 3.90
Linden flowers with leaves, bls.	lb.	.85 - .90
Linseed meal,[1,7] 34%, bulk, c.l.	ton.	43.00 - —
32%, bulk, c.l.	ton.	43.00 - —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WHICH PREVIOUSLY BROUGHT YOU DISTINCTION
YOU ARE ONCE AGAIN PROVING YOUR
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Under Secretary of War
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• MERCURIC NITRATE
• PHENYL MERCURY COMPOUNDS
• WHITE PRECIPITATE
• MERCURY CYANIDE
• CALOMEL
F. W. BERK & CO., INC.
WOOD-RIDGE, NEW JERSEY • NEW YORK • SAN FRANCISCO
BERK

Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .08 - —
other points.....lb. .08½- —
smaller lots, dlvd. Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .09¾ - —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —

Lithium carbonate, NF, bbls., kgs..lb. 1.25 - 1.30

Bromide, bbls., 100-lb. lots, works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95

Chloride, jars.....lb. 1.65 - 1.70

Citrate, bbls., dms., kgs....lb. 1.40 - 1.41

Fluoride, bbls.....lb. 2.45 - 2.66

Hydroxide, jars.....lb. 1.25 - 1.46

Iodide, bots.....lb. 5.28 - —
jars.....lb. 5.05 - —

Stearate, fib. dms., 3 tons, works..lb. 50 - —

Lithopone,[1,4] ordinary, bgs., c.l. (20 tons)..lb. .04¼- —
l.c.l.....lb. .04½- —
bbls., c.l.....lb. .04½- —
l.c.l.....lb. .04¾- —

Titanated,[6] (high-strength), bgs., c.l..lb. .0500- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —

Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l. ex. whse. Pac. Cst., ½c. higher.

Liverwort leaves, bls.....lb. .65 - .66

Lobelia herb, bls.....lb. .77 - .80

Lobeline sulphate, bots., wks..oz. 25.50 -38.00

Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .34 - —
No. 2, bbls., l.c.l.....lb. .32 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15½- —
No. 4, bbls., l.c.l.....lb. .15 - —
solid, No. 1, bgs., l.c.l....lb. .28 - —
No. 2, bxs., l.c.l.....lb. .26 - —
No. 3, bxs., l.c.l.....lb. .23½- —
No. 4, bxs., l.c.l.....lb. .23 - —
No. 5, bxs., l.c.l.....lb. .21½- —
No. 6, bxs., l.c.l.....lb. .39½- .44½

Lovage, American (ligusticum actae folium), root, bls..lb. 1.20 - 1.50

Lupulin, NF, 1944 crop, tin..lb. 12.75 -13.00

Lycopodium, USP, cs.....lb. 1.25 - 1.50

M

Mace,[1,7] Amboyna, cs.....lb. .77 Nom.
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 Nom.
No. 1, bgs.....lb. .60 Nom.
broken, bgs.....lb. .55 Nom.

Madder, Dutch, bbls.....lb. .24 - .30

Magnesia arsenate,[1,6] dms....lb. .153 - .18

Calcined, tech., USP, bbls., works..lb. .26 - —

Carbonate, tech., bgs., c.l., l.c.l., Zone 1.....lb. .07¼- —
bbls., c.l., Zone 1.....lb. .07½- —
l.c.l., Zone 1.....lb. .08¼- —
kgs., c.l., Zone 1.....lb. .08¾- —
l.c.l., Zone 1.....lb. .09¾- —
USP, bgs., c.l., Zone 1....lb. .08 - —
l.c.l., Zone 1.....lb. .09 - —
bbls., c.l., Zone 1.....lb. .08¼- —
l.c.l., Zone 1.....lb. .09¼- —
kgs., c.l., Zone 1.....lb. .09¾- —
l.c.l., Zone 1.....lb. .10¾- —

Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ¼c. lower, Zone 2, store delivery; store door delivery, both zones. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.

Chloride, anhyd., bbls., dlvd.lb. .12¾- —
flake, bbls., c.l., works...ton. 32.00 - —
l.c.l., works.....ton. 39.00 -42.00

Fluoride, bbls.....lb. .20 - .21

Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30

Hypophosphite, cns.....lb. 1.45 - —

Laurate, bbls.....lb. .33 - .35

Oxide (see Magnesia, calcined)

Peroxide, 15%, dms., works..lb. 1.00 - 1.35

Phosphate, tribasic, USP, bbls. lb. .60 - —

Silicate (see Talc).

Silicofluoride, bbls.....lb. .08 - .09

Stearate, ctns.....lb. .31 - .32

Sulphate (see Epsom salt)

Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —

Magnesite, cal., powd., bgs., c.l., mines, Calif..ton. 68.75 - —

dead-burnt,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton. 22.00 -32.00

Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l.....lb. .26 - —

Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.30 - 1.35

Leaves, bls.....lb. .43 - .44

Manaca root, bls.....lb. .23 - .24

Mandrake root, bls.....lb. .23 - .25

Manganese acetate, dms.....lb. .25¼- —

Arsenate,[6] bgs.....lb. .12 - .12¼

Borate, tech., bbls.....lb. .16 - .18

Carbonate, bbls.....lb. .19 - —

Chloride, anhyd., bbls.....lb. .15 - .18

Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works, ton. 74.00 - —
smaller lots, works.ton. 77.00 -82.00

Caucasian, 85-90%, bbls., c.l., works..ton. 74.00 - —
smaller lots, works..ton. 77.00 -82.00

burlap bgs., c.l., works, ton. 71.75 - —
l.c.l., works.....ton. 74.75 -79.75
paper bgs., c.l., works.ton. 70.00 - —
l.c.l., works.....ton. 73.00 - —

Glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —

Hydrate, bbls., dlvd.....lb. .28 - —

Iodide, bots.....lb. 5.70 - —
jars.....lb. 5.56 - —

Manganese, linoleate, liquid, 4%, dms..lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —

Naphthenate,[6] 6% Mn, dms..gal. .16 - —

Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½

Soyate, 8.2% Mn, dms.....lb. .22 - —

Sulphate, anhyd., dms., works, lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton. 59.50 - —
l.c.l., same basis, or Balto. or Cincinnati...ton. 68.50 - —
industrial grade, 80%, bgs..lb. .05 - .05¾

Tallate, 4% Mn, dms.....lb. .09 - —

Mangrove bark,[1,5] E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton. 67.50 - —

Manna, flake, large, cs.....lb. No stocks
small, cs.....lb. No stocks

Mannitol,[6] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .55 - —

Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast..lb. .34 - .35
Chilean, bls.....lb. .14 - .14½

Matico leaves, bls.....lb. .22 - .25

Menadione, USP, bots.....gram. .10 - —

Menthol, natural, USP, cns...lb. 4.00 - 4.25
synthetic, tech., cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns.....lb. 4.00 - 4.65

Menthyl salicylate, tins.....lb. 3.00 - 3.10

Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .75
30%, pails.....lb. 1.30 - —
50%, pails.....lb. 1.85 - 1.90

Mercury bichromate[3] (see Corrosive sublimate).

Bisulphate,[3] dms.....lb. 2.59 - 2.61

Chloride,[3] (see Calomel).

Cyanide,[3] cryst., powd.....lb. 3.86 - —

Iodide,[3] red, NF, dms., kgs..lb. 4.30 - —
yellow, fib. dms., kgs.....lb. 4.38 - —

Nitrate ointment (see Citrine ointment).

Oxide,[3] red, NF (see Red precipitate).
yellow, USP, fib. dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).

Mercury and chalk,[2] dms. .lb. 1.68 - 1.70

Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —

Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in., pkg. 15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —

Metanitroparatoluidin, bbls....lb. 1.05 - 1.10

Metaphenylenediamine, kgs....lb. .65 - —

Metatoluylenediamine, kgs.....lb. .70 - —

Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R., gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —

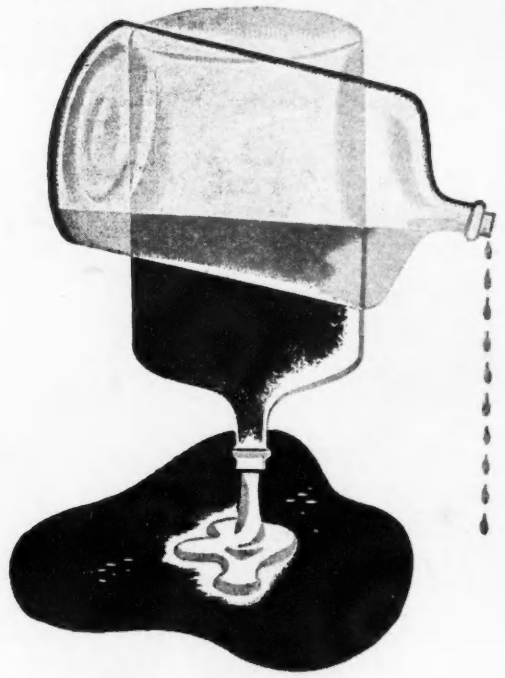
Inside prices on natural methanol W. of Miss. R., 3c. higher

Methanol, synthetic, dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .36 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .05½- —
10 dms., dlvd.....lb. .09¾- —
1-9 dms., dlvd.....lb. .10¾- —

ONE OF 11 DOW CHEMICALS USED BY THE PAINT INDUSTRY



working with water

"through thick and thin"

answering the problem of water thickeners . . .

Water frequently presents thickening problems when used in making products sold in solution.

Often these products must not only be thickened—sometimes they must also be thinned before use. In both operations, Methocel (water-soluble Dow Methylcellulose) easily meets requirements. Methocel works well with water "through thick and thin."

Take the manufacture of germicidal solutions as an example. For many applications these solutions must be thickened so as to be applied most effectively to a specified area or substance. Germicidal solutions are concentrated, however, and often must be diluted with water to the required strength. Methocel thickens germicidal solutions so that they do not pour too freely. This makes exact dilution easy, so that the germicides are not wasted when used.

This is only one example of an easy and effective application of Methocel, a water-soluble cellulose ether of exceptional purity and uniformity. Methocel can serve you well—as a dispersing, thickening, emulsifying, binding and coating agent. It may be the answer to many of your product problems. You can find out by asking Dow for complete information.

THE DOW CHEMICAL COMPANY · MIDLAND, MICHIGAN

New York · Boston · Philadelphia · Washington · Cleveland · Detroit · Chicago
St. Louis · Houston · San Francisco · Los Angeles · Seattle

Methocel

Water Soluble Dow Methylcellulose

DOW

CHEMICALS INDISPENSABLE TO INDUSTRY

Methyl abietate, hydrogenated, non-ret. dms., c.l., dlvd. lb. .12 - .15½
10 dms. lb. .13¾- .16¾
1-9 dms. lb. .14¼- .17¾
Acetate, CP, 97-99%, dms., c.l., E. of Miss. lb. .10½- .12
W. of Miss. lb. .11½- .12
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss. lb. .08 - —
l.c.l., E. of Miss. lb. .07½- .11
W. of Miss. lb. .08⅛- .10⅛
tanks, E. of Miss. lb. .06 - —
W. of Miss. lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld. lb. .30½- —
Acetone, natural, Group A, dms. incl., c.l., E. of Miss., frt. alld. gal. .66 - —
l.c.l., same basis gal. .76 - —
tanks, same basis gal. .60 - —
Natural methyl acetone prices W. of Miss R., 3c. per gal. higher.
Group B, dms, c.l., Zone 1, frt. alld. gal. .63 - —
Zone 2, same basis gal. .65 - —
Zone 3, same basis gal. .67 - —
Zone 4, same basis gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis gal. .63 - —
Zone 3, same basis gal. .70 - —
Zone 4, same basis gal. .83 - —
l.c.l., E. of Miss. lb. .11 - .14
W. of Miss. lb. .12 - .13½
tanks, E. of Miss. lb. .09½- —
W. of Miss. lb. .10¼- —

Methyl acetone, natural, group B, tanks, Zone 1, same basis, gal. .60 - —
Zone 2, same basis gal. .62 - —
Zone 3, same basis gal. .64 - —
Zone 4, same basis gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Synthetic, dms., c.l., Zone 1. gal. .51 - —
Zone 2. gal. .52 - —
Zone 3. gal. .53½- —
Zone 4. gal. .54½- —
l.c.l., Zone 1. gal. .54½- —
Zone 2. gal. .57 - —
Zone 3. gal. .58 - —
Zone 4. gal. .59½- —
tanks, Zone 1. gal. .42 - —
Zone 2. gal. .44½- —
Zone 3. gal. .45½- —
Zone 4. gal. .45½- —

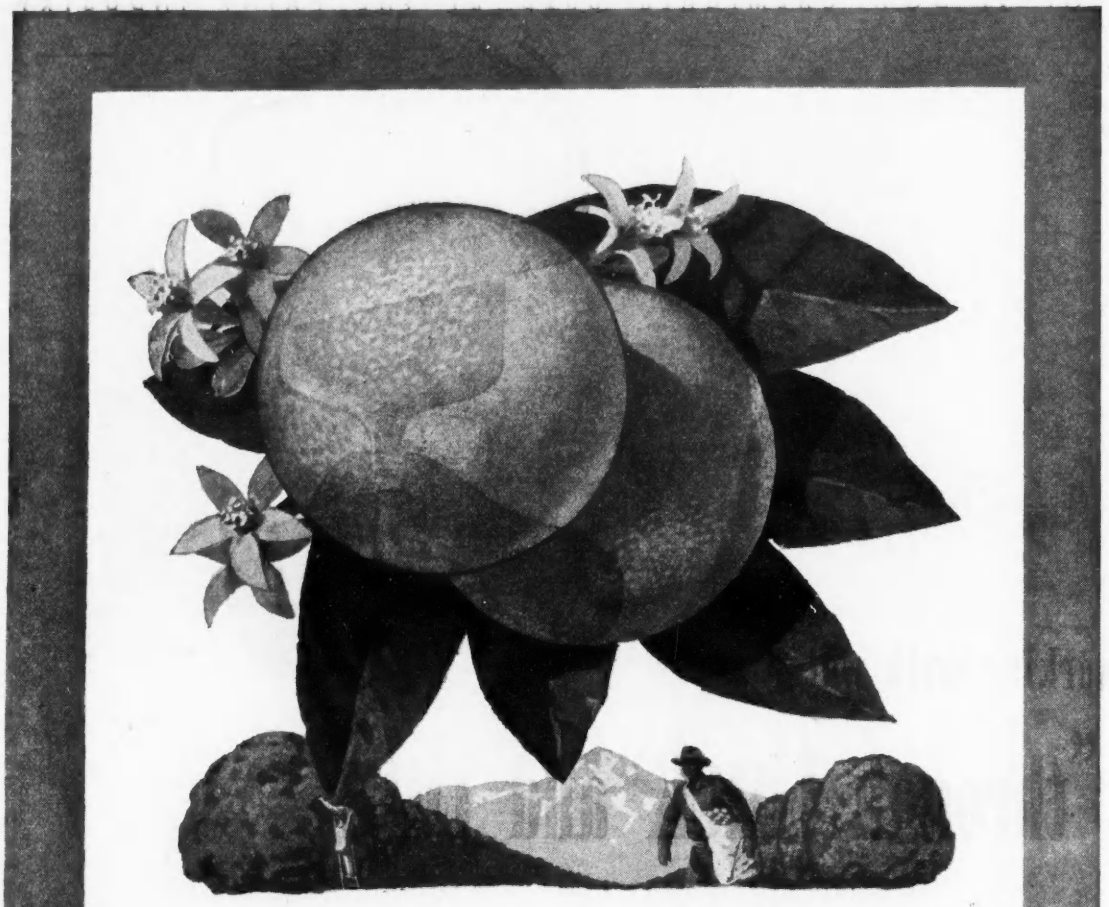
Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl alcohol (see Methanol).
Anthranilate, bots. lb. 2.20 - 2.35
Benzoate,[6] cns. lb. .48 - —
Bromide, cns. lb. .75 - .90
cyls. lb. .65 - .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders. lb. .32 - —
service men and consumers, cyl. lb. .36 - —
50 to 400 lbs., mach. mfrs. and jobbers. lb. .36 - —
service men and consumers. lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers. lb. .31 - —
service men and consumers. lb. .36 - .40
Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 20-lb. cylinders, 10c. per pound higher.
Cinnamate, cns. lb. 2.25 - —
Formate, dms. lb. .89 - —
Iodide, bots. lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd. lb. No stocks
Oleate, dms., c.l. lb. .35 - —
Salicylate,[1] dms., 500 lbs. lb. .35 - —
25-50 lbs. lb. .37 - .38
Methylamyl ketone, cns., dms., works. lb. .30 - .33
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld. lb. .60 - —
smaller lots, frt. alld. lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld. lb. .53 - —
smaller lots, frt. alld. lb. .58 - .63

Methylcyclohexane, 98-100%, dms., works. lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works. lb. .23 - —
Metnylcyclohexanone, 98-100%, dms., works. lb. No stocks
Methylene blue, USP, kgs. 100 lbs. 2.00 - 2.15
cns., 5 lbs. lb. 2.35 - —
Chloride, refrig., dms., wks. lb. .16 - .28
solvent, dms., works. lb. .12 - .15
Methylethyl ketone, dms., dlvd. lb. .09 - —
l.c.l., dlvd. lb. .09½- —
tanks, dlvd. lb. .08 - —
Methylhexyl ketone, dms., tech., works. lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd. lb. .11½- —
l.c.l., dlvd. lb. .12 - —
tanks, dlvd. lb. .10½- —
Methylnaphthyl ketone, cns. lb. 3.25 - —
Methylpentanediol, dms., c.l., works. lb. .16 - —
l.c.l., works. lb. .16½- —
1 and 5-gal. cont., works. lb. .20½- .22½
tanks, works. lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works. ton. 45.00 - —
l.c.l., works. ton. 48.50 - —
roofing, 20 mesh, bgs., c.l., works. ton. 30.00 -32.50
l.c.l., works. ton. 35.50 -37.50
30-31 mesh, bgs., c.l., works. ton. 30.00 -32.50
l.c.l, works. ton. 35.00 -37.50
40-45 mesh, bgs., c.l., works. ton. 30.00 -32.50
l.c.l., works. ton. 35.00 -37.50
80 mesh, bgs., c.l., works. ton. 37.50 -40.00
l.c.l., works. ton. 41.50 -43.00
graphite, bulk, Pa., mines. ton. 80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E. lb. .04¼- —
l.c.l., ex whse., or frt. alld. E. lb. .04¾- —
extra fine, bgs., c.l., works, works, frt. alld. E. lb. .04 - —
l.c.l., ex whse. or frt. alld. E. lb. .04½- —
paint or lacq., bgs., c.l., works, frt. alld. E. lb. .05 - —
l.c.l., ex whse. or frt. alld. E. lb. .05½- —
rubber, bgs., c.l., works, frt. alld. E. lb. .04¾- —
l.c.l., ex whse. or frt. alld. E. lb. .05¼- —
wallpaper, bgs., c.l., works, frt. alld. E. lb. .05 - —
l.c.l., ex whse. or frt. alld. E. lb. .05½- —
white, extra fine, bgs., c.l., works, frt. alld. E. lb. .06 - —
l.c.l., ex whse. or frt. alld. E. lb. .06½- —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, 1c. higher.
Milk powder,[1,7] skimmed, roller, bulk, c.l. lb. .14¼- —
spray, bulk, c.l. lb. .13¾- —
whole, roller, bbls., c.l. lb. .29 - —
spray, bbls., c.l. lb. .30 - —
Milk sugar,[1] bbls., c.l., works. lb. .26 - —
l.c.l., works. lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works, Area 1. gal. .13 - —
Area 2. gal. .13½- —
Area 3. ton. 26.00 - —
Area 4. ton. 29.00 - —
tanks, Area 5. ton. 34.60 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molydbate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd. lb. 2.60 - 3.00
Trioxide,[5] pure, kgs., works, basis Mo. content. lb. .95 - —
technical, kgs., works, basis Mo. content. lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%. lb. .61 - —
l.c.l., works, basis 100%, lb. .64 - —
Monochlorobenzene, dms., c.l., works. lb. .05½- —
l.c.l., works. lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E. lb. .24 - —
l.c.l., same basis. lb. .25 - —
tanks, same basis. lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%. lb. .30 - —
l.c.l., works, basis 100%. lb. .35 - —
Monomethylamine, dms. lb. .65 - —
Monomethylpara-aminophenol sulphate, dms. lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs. oz. 11.10 - —
cns., 25 ozs. oz. 10.90 - —
Acetate, bots., 5 ozs. oz. 9.00 - —
cns., 25 ozs. oz. 8.80 - —
Hydrobromine, 5 ozs. oz. 8.95 - —
cns., 25 ozs. ob. 8.75 - —
Morphine hydrochloride, bots., 5 ozs. oz. 9.00 - —
cns., 25 ozs. oz. 8.80 - —
Sulphate, bots., 5 ozs. oz. 9.00 - —
cns., 25 ozs. oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works. lb. .75 - —
Mullein leaves, cns. lb. .12 - .18
Musk, nat., Tonquin, grains, bots., oz. 55.00 -60.00
Ambrette, cns., 100 lbs. or more. lb. 4.00 - 9.10
25 lbs. lb. 4.10 - 9.10
5 lbs. lb. 4.25 - 9.45
Ketone, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs. lb. 4.25 - 9.35
5 lbs. lb. 4.40 - 9.70
Xylol, cns., 100 lbs. or more, lb. 1.40 - 2.00
25 lbs. lb. 1.50 - 2.60
5 lbs. lb. 1.65 - 2.90
Muskrcot, bls. lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs., lb. .13 - .13½
yellow, bgs. lb. .19 Nom.
Montana, brown, bgs. lb. .09¼- .10
oriental, bgs. lb. .09¼- .09¾
yellow, bgs., shipt point. lb. .23 - .23½
Washington, yellow, bgs. lb. .15 Nom.
Myrobalans,[1] whole, J1, U. S. ports, ex dock. ton. 54.00 - —
J2, same basis. ton. 47.60 - —



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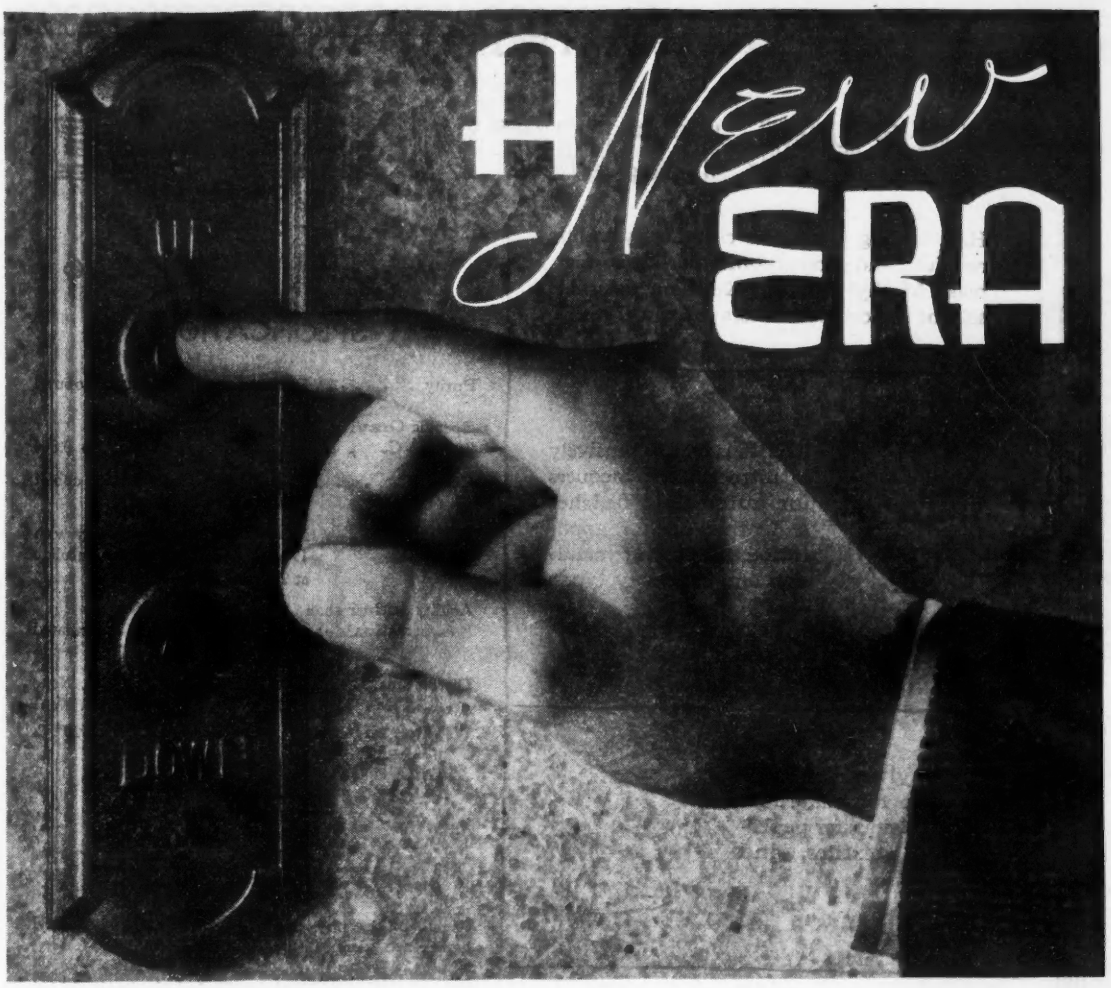
Exchange
OIL OF
ORANGE
U. S. P.

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[2] crude, dom., 74°, bgs.. c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis..lb. .031 - —
tanks, same basis.....lb. .0275- —
78°, bgs., c.l., same basis..lb. .0325- —
bbls., c.l., same basis..lb. .0335- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08½- —
1-lb. pkgs., same basis..lb. .09¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nephelinesyenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.
Neroline, crys., cns.....lb. 1.70 - 1.80
Niacin (see Acid, nicotinic).
Nickel,[6,8] carbonate, bbls.....lb. .36 - .36¼
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. No stocks
Oxide,[6,8] black, bbls.....lb. .35 - .38
Salt,[6,8] bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lb..lb. .8660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide,[6] USP, dms....kilo.13.25 -13.55
Nikethamide, bots., cbys.....lb. 9.00 -12.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble,[4] ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .27 - —
ester-soluble,[4] ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —
Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut..[6] tanks....ton N.10821 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis.
Nitrogenous process tankage,[1,7] Hopewell, Va., bulk, works, unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk works, unit-ton. 2.60 + .40 - 3.00 + .40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane I, dms., works...lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[2] Aleppo, bgs.....lb. No stocks
Chinese, bgs.....lb. No stocks
Nutmegs,[1,7] West Indian, No. 1, futures..lb. .34¼- .34⅝
Nux vomica, bls.....lb. .10 - .11
powder, bbls., bxs.....lb. .13½- .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C.-140° C, industrial, grade, dms., c.l., G.S..gal. .15½- —
l.c.l., G.S .....gal. .20 - —
10 gals., G.S.....gal. .35 - —
tanks, G.S.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.C., bots.....lb. 4.60 - 5.25
USP, bots.....lb. No prices
Sweet, exp., dms., cns.....lb. 1.20 - 1.65
Angelica root, bots.....lb.125.00-300.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, Russian, USP, cns....lb. No stocks
Apricot kernel, cns.....lb. .50 - .55
Avocado, cns., dms.....lb. 1.05 - 1.25
Babassu,[1,7] tanks .....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.40 - 1.55
Puerto Rican, 55-60%, cns..lb. 1.55 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 6.00
natural, Italian, cns.....lb. 8.25 -10.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. No stocks
rectified, cns .....lb. No stocks
Bois de rose, Brazil cns.....lb. No stocks
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. No stocks
redistilled, USP IX, cns....lb. No stocks
Calamus, cns .....lb.20.00 -21.00
Camphor, synthetic, white, cns. lb. .18 - .23
Cananga, native, cns.....lb.10.00 -11.00
rectified, cns.....lb.12.50 -13.50
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 9.00 -10.25
Cardamom, bots.....lb.17.00 -18.00
Cassia, USP cns.....lb. No stocks
Castor,[1] blown, ret. dms., c.l. lb. .15¼- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., cl. lb. .14 - —
l.c.l. .....lb. .14½- —
cns. .....lb. .15⅝- .17⅝
dms., c.l. .....lb. .13⅝- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13 - —
dehyd., bodied, dms., c.l...lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
unbodied, dms., c.l.....lb.16 90 - —
tanks .....lb. .1650- —
No. 2 tech., bbls., c.l.....lb. .13⅝- —
l.c.l. .....lb. .14½- —
dms., c.l.....lb. .13½- —
l.c.l. .....lb. .14½- —
tanks .....lb. .12⅝- —
sulphonated, 50% (48% fat), dms., c.l..lb. .09¼- .09⅝
l.c.l. .....lb. .10¼- .11
75% (63% fat), dms., c.l..lb. .12⅝- .12⅝
l.c.l. .....lb. .13 - .13⅝
80% (68% fat), dms., c.l..lb. .12⅝- .13
l.c.l. .....lb. .13⅝- .14
Cedarleaf,[1] USP, cns., dms..lb. 2.50 - 2.75
Cedarwood, dms.....lb. 1.00 - 1.05
Celery, bots.....lb.17.00 -20.00
Chaulmoogra, USP, cns.....lb. .65 - .70
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.32.50 -45.00
leaf, dms .....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. 1.70 - 1.75
Java, cns .....lb. No stocks
Clove, USP, cns.....lb. 1.65 - 1.80
Coconut,[1,7] crude, Ceylon, bulk, c.i.f. N. Y..lb. .0835- —
Cochin type, bulk, c.i.f. N. Y..lb. .0875- —
Manila, bulk, c.i.f. N. Y..lb. .0835- —
ret. dms.....lb. .0885- .0985
edible, ex tax, dms.....lb. .0985- —
Oil, cod, Newfoundland, dms..gal. .88 - .90
tanks .....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.20 - 3.25
Coriander, bots.....lb.27.50 -35.00
Corn,[1,7] crude, tanks, works..lb. .12⅜- —
edible, dms., l.c.l.....lb. .16⅛- .16½
tanks .....lb. .1502- —
foots, acid 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .09½- —
Cottonseed,[1,7] cooking, l.c.l., ret. dms..lb. .16¼- —
crude, tanks, works.....lb. .12½- .13⅛
foots, acid, 95% tanks, dlvd. E..lb. .07⅜- —
raw, 50%, tanks, dlvd. E..lb. .08⅜- —
salad, l.c.l., dms.....lb. .16¾- .17
Creosote (see C).
Croton, NF, cns.....lb. 4.00 - 4.75
Cubeb, cns.....lb. No prices
Cruce (see Petroleum, crude).
Cumin, bots.....lb. No stocks
Cypress, bots.....lb. 5.00 -12.00
Degras (see D).
Dillseed, bots.....lb. 6.50 - —
Dillweed, dms.....lb. 4.50 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. 1.18 - 1.40
Fennel, sweet, cns.....lb. 4.50 Nom.
Fir, Canada, cns.....lb. 2.25 - 2.75
Fishliver,[1,7] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram..per million units. .001 - —
200,000 or more A units.... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen).
Oil, geranium, Algerian, cns..lb. No stocks
Bourbon, cns.....lb.17.00 -17.50
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.12.00 -13.00
Grapefruit, cns.....lb. 2.15 - 2.75
Grease, common, No. 1, bbls., c.l..lb. .14 - —
extra, No. 1, bbls., c.l.....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Guaiacwood, cns.....lb. 3.25 - 4.00
Hemlock, cns.....lb. 2.60 - —
Herring,[1] crude, tanks, Pac. coast..lb. .080 - —
Juniper berry, dom., bots....lb. 6.75 - 7.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .90 - 1.00
Lard oil (see Oil, grease)
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 8.00 - 8.75
Lavender flower, French, 35%-42% ester, can..lb.16.00 -18.00
35%-38% ester, cns.....lb.14.00 -16.00
Russian, cns.....lb. No stocks
spike, Spanish, pure, cns..lb. 2.75 - 3.10
tech., cns.....lb. 2.35 - 2.50
Lemon, USP, Calif., cns.....lb. 3.25 - —
Messina,[1] cns.....lb. No stocks
Terpeneless, bots.....lb.40.00 -50.00
Lemongrass, cns., dm.....lb. 2.40 - 3.00
Lignaloe seed, Mexican, cns..lb. No stocks
wood, Mexican, cns.....lb. 4.75 - 5.00
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns., lb. 6.75 - 7.25
West Indian, cns.....lb. 7.25 - 7.50
expressed, West Indian, cns., lb.13.50 -14.00
Linseed,[1,7] raw, dms., c.l...lb. .1550- —
l.c.l. .....lb. .1600- .1660
tanks .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 higher than raw.
Oil, linseed, replacement, dms., c.l..lb. .1400- .1550
tanks .....lb. .1320- .1470
Lubricating,[6] at refinery, extax, California, neutral, pale, 200-800 vis., 2¾-4 pour, tanks..gal. .07¾- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07¾- .11¾
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .25 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks, gal. .14¾- .18
200-280 vis., No. 3, col., 15-25 pour, tanks..gal. .15 - .17½
Pa., bright stock, 140-150 vis., No. 8 color, 10-25 pour, tanks..gal. .24 - .30¾
cylinder oils, 600-630 flash, tanks..gal. .15 - .17
600-650, steam refd., tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .27 - .31
200 vis., 25 pour, tanks, gal. .28 - .33
Mace, dist., cns., dms.....lb. 4.75 - 5.25
Mandarin, Brazilian, cns.....lb. 6.75 - 8.00
Menhaden,[1,7] crude, tanks, Balt..lb. .0890- —
refined, alkali, dms., c.l...lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns...lb. 1.45 - 1.60
Seed, exp., dms., extra....lb. .14¾- —
Neatsfoot,[1] 15°, bbls., c.l..gal. 1.85 - 1.90
20°, bbls., c.l.....gal. 1.80 - —
30°, bbls., c.l.....gal. 1.60 - 1.65
pure, bbls., c.l.....lb. .15½- .16



A new era is before us. We either go up or down from this point. Which direction you go depends largely upon the ingenuity of our research laboratories in every field.

Our own production problems have been severe during the war years. We have done our utmost to supply our customers with the materials they wanted. We have achieved a good record in this regard.

Nevertheless our chief effort has been in our research laboratories. Many products which will be well known in the industry in future years have been developed by us.

These products are not as yet in commercial production but samples are ready for you in order that you may examine the products which will affect our industry in the future.

Information in regard to these, together with samples, will be furnished on request on your firm's letterhead.

A preview of what is coming in the aromatics field is yours for the asking.

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.
9 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, neroli, bots.....lb. 250.00-350.00
Nutmeg, dist., cns., dms....lb. 4.75 - 5.25
Oiticica,[1] liquid, dms., c.l....lb. .24 - —
dms., l.c.l.....lb. .24½- .25
Oleo,[1,7] extra dms., Chicago..lb. .1304- —
prime, dms., Chicago.....lb. .1275- —
Olibanum, bots.....lb. 5.00 - —
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-4% f.f.a., dms., extra, works..gal. 4.30 - 4.80
imported, dms.....gal. No stocks
foots,[1] dom., dms., c.l.....lb. .18 - —
tankcars, works.....lb. .17 - —
imp.,[1] dms., c.l., ex dock, lb. .18 - —
tankcars, ex dock.....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fats), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
85% (68% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - —
expressed, USP, Brazilian, cns..lb. 1.30 - 1.60
Calif., cns.....lb. 1.65 - 2.00
Florida, cns., dms.....lb. 1.40 - 1.60
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.75 - 3.00
sequiterpeneless, bots.....lb. 100.00 -112.00
Origanum, Spanish, cs.....lb. 2.40 - 2.75
Palm,[1,7] Niger, dms.....lb. .0865- —
Palmarosa, cns.....lb. 6.75 - —
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. .0835 Nom.
Paraffin,[1,4] 300° flash, 100-110 vis., tanks, G.3..gal. .08¾- .08⅞
320° flash, 60-70 vis., tanks, G.3..gal. .08 - —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.3..gal. .08 - —

Oil, paraffin, 350° flash, 80-85 vis., 0/10 pour, bbls., extra, Ind. ref'y..gal. .09½- —
100-110 vis., 0/10 pour, same basis..gal. .08¾- .15
10/25 pour, same basis..gal. .08¾- .09⅝
Patchouli, cns.....lb. No stocks
Peanut,[1,7] bleached, deod., tanks, dlvd. E..lb. .1501- —
crude, tanks, works .....lb. .12⅝- .13⅝
foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
hydrogenated, tanks, dlvd. E., lb. .1573- .1575
Pennyroyal, dms., cns.....lb. No prices
import, cns.....lb. 3.55 - 4.10
Peppermint,[1] natural, dms...lb. 6.50 - 6.75
redist., USP, dms.....lb. 7.00 - 7.50
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms., lb. 2.25 - 2.50
Pimento, berry, dms.....lb. 6.25 - 8.00
leaf, cns.....lb. 4.00 - 4.25
Pine,[1] ret. dms., c.l., dlvd. E., gal. .63 - .63½
l.c.l., dlvd. E.....gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lb. 3.10 - 3.25
Putty,[8] bbls., E. Segundo, Richmont, Cal..gal. .22½- —
contracts .....gal. .19½- —
dms., c.l., Whiting, Ind..gal. *.34 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .26 - —

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1] bulk, New Orleans.. lb. .1156½- —

Oil, red[1], ret. bbls., c.l., dms., dlvd. E. of Rockies...lb. .13½- —
W. of Rockies.....lb. .14½- —
Texas and Okla.....lb. .13⅝- —
tanks, dlvd. E. of Rockies.. lb. .12½- —
W. of Rockies.....lb. .13½- —
Texas and Okla.....lb. .13 - —
double dist., ret. dms., c.l., dlvd. E. of Rockies..lb. .15⅞- —
W. of Rockies.....lb. .16⅛- —
Texas and Okla.....lb. .16⅜- —
special non-ret. dms., bbls., c.l., dlvd. E. of Rockies. lb. .16⅜- —
W. of Rockies.....lb. .17⅜- —
Texas and Okla.....lb. .17½- —

Red oil prices for ton lots are ⅛ cent per pound higher, and 1 cent higher for less than ton lots.

Rose, natural, coppers.....oz. No stocks
Rosemary, Spanish, tech., cns., dms..lb. 1.25 - 1.35
U.S.P., cns., dms.....lb. 1.35 - 1.60
Rosin, 1st rectified, dms...gal. .66 - —
2nd rectified, dms.....gal. .63 - —
3rd rectified, dms.....gal. .72 - —
Rue, bots.....lb. 5.00 - 5.25
Sage, Spanish, cns.....lb. 2.65 - 3.00
Sandalwood, NF, Mysore, cns., case lots..lb. 7.00 - 7.25
Sardine, crude,[1,7] tanks, Pac. coast..lb. .030 - —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Sassafras, artif., cns.....lb. .55 - .60
natural, cns., dms.....lb. 2.00 - 2.30
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —

Oil, seal,[1] No. 1, tanks, U.S. ports lb. .080 - —
Sesame,[1,7] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works. gal. .2185- —
l.c.l., works.....gal. .23 - .30
tanks, works.....gal. .15 - .18
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,7] clarified, dms....lb. .1226- .1385
tanks .....lb. .1250- —
crude, tanks, Decatur.....lb. .1175- —
deod., Winter, tanks.....lb. .1395- —
ret. dms.....lb. .1500- .1540
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .03½- —
refd., varnish, dms.....lb. .1380- .1400
tanks .....lb. .1340- .1347
Spearmint, dms.....lb. 4.00 - 4.25
Sperm, bleached, 38°, dms...lb. .1443- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns., dms.....lb. 2.55 - 2.75
Sunflower,[9] imp., refined, tanks, lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns.....lb. 4.00 - 5.00
South, cns.....lb. 2.50 - 3.75
Tall,[1] crude, dms., c.l., wks. ton. 53.65 -55.00
l.c.l., works.....ton. 58.65 - 63.65
tanks, works.....ton. 40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow, acidless, bbls.....lb. .14½- —
tanks .....lb. .13⅜- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities...gal. .32⅜- —
l.c.l., works.....gal. .29⅜- —
tanks, dlvd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .60¼- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 3.00 - 3.25
white, cns.....lb. 3.25 - 3.75
Tung,[1,7] dms., c.l.....lb. .39 - .39¼
l.c.l. .....lb. .40 - .41
tanks .....lb. .38⅝- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .27 - .29
Vetiver, Bourbon, cns.....lb. 35.00 -45.00
Whale,[9] ref., natural, dms...lb. .1187 Nom.
Winter bleached, dms....lb. .1282 Nom.
Wheat germ, dms.....gal. 10.00 -12.50
White mineral, tech., 50-65 vis., dms., c.l..gal. .31 - —
l.c.l. .....gal. .34 - .38
65-75 vis., dms., c.l....gal. .32 - —
l.c.l. .....gal. .35 - .39
USP, 80/90 vis., dms., extra, c.l..gal. .34 - —
l.c.l. .....gal. .37 - .41
95/105 vis., dms., c.l....gal. .36 - —
l.c.l. .....gal. .39 - .43
125/135 vis., dms., c.l...gal. .40 - —
l.c.l. .....gal. .43 - .47
145/155 vis., dms., c.l...gal. .42 - —
l.c.l. .....gal. .45 - .49
175/185 vis., dms., c.l...gal. .44 - —
l.c.l. .....gal. .47 - .51
200/210 vis., dms., c.l...gal. .47 - —
l.c.l. .....gal. .50 - .54
320/330 vis., dms., c.l...gal. .51 - —
l.c.l. .....gal. .54 - .58
335/345 vis., dms., c.l...gal. .51 - —
l.c.l. .....gal. .54 - .58
65, 70 and 85 vis., ret. dms., 65 dms., San Francisco, gal. .40 - —
smaller lots, same basis, gal. .42 - .45
100 vis., 65 dms., San Francisco..gal. .49½- —
smaller lots, same basis, gal. .51½- .54½
145 vis., 65 dms., San Francisco..gal. .57 - —
smaller lots, same basis, gal. .59 - .62
180 vis., 65 dms., San Francisco..gal. .60½- —
smaller lots, same basis, gal. .62½- .65½
340 vis., 65 dms., San Francisco..gal. .72 - —
smaller lots, same basis, gal. .74 - .77
Wintergreen, natural, North, cns..lb. 5.50 - 8.50
South, cns.....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed,[1] cns.....lb. 5.00 - 5.15
Wormwood, cns.....lb. 4.85 - 5.50
Ylang-ylang, Bourbon, bots..lb. 9.00 -24.50
Oleostearin,[1,7] dms., Chicago..lb. .1061- —
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works, ton. 7.00 - —
spalls, paper bgs., c.l., works, ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots, lb. 13.00 - —
25-lb. lots.....lb. 13.25 - —
smaller lots.....lb. 13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, cadmium selenide, bbls., 100-lb. lots, works..lb. 1.50 - —
Dinitroaniilin, toner[1].....lb. 1.05 - —
Molybdate,[1,6] bbls.....lb. .41 - —
Orthonitroanilin toner,[1] bbls., kgs., works..lb. .80 - 1.05
Persian,[1] bbls.....lb. .30 - .45
Orange mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
dlvd. Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Colo., Mont., N. M., Wyo..lb. .12½- —
other points.....lb. .12 - —
smaller lots, Ala., etc..lb. .12⅝- —
Ariz., etc.....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
other points.....lb. .12½- —
Orange peel, bitter, Haitian, bgs., lb. .18½- .14
sweet, bls.....lb. .14 - .14½
Oregano, Mexican, curly leaf, bgs..lb. .06⅝- .09
flat leaf, bgs.....lb. .06¾- .09⅝
Orris root, African, bls.....lb. .85 - —
powd., bbls., bxs.....lb. .90 - .95
Portuguese, bls.....lb. .65 - .70
Verona, bls.....lb. No stocks
Orthoamylphenol, dms., works.lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroaniilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .25 - .27
Orthocresol,[1,6] 30.4° C. min., M.P., dms., c.l., works..lb. .17½- .18
l.c.l., works.....lb. .18 - .18½
29.0° C. min., M.P., dms., c.l., works..lb. .16½- .17
l.c.l., works.....lb. .17 - .17½

METHYL ISOBUTYL KETONE

$CH_3-\overset{O}{\overset{\|}{C}}-CH_2-\overset{CH_3}{\overset{|}{C}}H-CH_3$

Molecular Weight 100.16

High boiling point, low cost, no hydrolitic reaction, and good stability during storage, make Methyl Isobutyl Ketone a desirable solvent for cellulose esters and vinyl resins.

MIBK is used extensively in nitrocellulose lacquers for automobile finishes and other lacquer applications including emulsion and hot spray types.

With vinyl resins, MIBK is used to formulate lacquer emulsions for paper-coatings, textiles, and leathers.

MIBK's solvent properties are particularly useful in the manufacture of shoe cements . . . as an extractive agent in the manufacture of drugs — penicillin, tannic acid, etc.

Methyl Isobutyl Ketone, authorized as a denaturant for ethyl alcohol, is usable for many industrial purposes, including anti-freeze.

Does MIBK possess qualities useful in your plant process?

SPECIFICATIONS

Purity	Minimum 99% methyl isobutyl ketone by weight
Specific Gravity 20°/20° C.	0.800 to 0.804
Color	Maximum 15 platinum cobalt (Hazen) standard
Water	Miscible without turbidity with 19 volumes of 60° Bé. gasoline at 20° C.
Acidity (other than carbon dioxide) .	Maximum 0.01% calculated as acetic acid
Distillation Range . . . (A.S.T.M. D268/33) . .	Below 114° C. None Above 117° C. None
Weight	6.68 lbs. per gallon at 20° C. (approx.)

PHYSICAL PROPERTIES

Several of the physical properties of methyl isobutyl ketone are given in the following table:

Specific Gravity at 20°/4° C.	0.8004
Boiling Point at 760 mm.	115.9° C.
Melting Point	–83.5° C.
Flash Point, Tag Open Cup	81° F.
Tag Closed Cup	64° F.
Vapor Pressure at 20° C.	15.2 mm. Hg.
30° C.	26.2 " "
40° C.	43.5 " "
Specific Heat	0.46 (20° C.)
Refractive Index, N_D^{20}	1.3958
Coefficient of Expansion . . .	0.000625 per °F.
Latent Heat of Vaporization .	87 gm. cal. per gm.

Azeotropic Data: Methyl isobutyl ketone forms a constant boiling mixture with water, containing 75.7% by weight of methyl isobutyl ketone and boiling at 87.9° C.

For further properties and uses communicate with either of the addresses below.

SHELL CHEMICAL Division of SHELL UNION OIL CORPORATION
100 BUSH ST., SAN FRANCISCO 6, CALIFORNIA
R.W. GREEFF & CO. *Eastern Sales Agent* 10 ROCKEFELLER PLAZA, NEW YORK 20. TRIBUNE TOWER, CHICAGO 11

Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies, lb.	.07	-	—
l.c.l., same basis	.08	-	—
tanks, same basis	.06½	-	—
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.			
Orthonitroaniline, dms.	.43	-	.55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works	.10	-	—
l.c.l., works	.11	-	—
grade B, dms., c.l., works	.06	-	—
l.c.l., works	.07	-	—
Orthonitrochlorobenzene, dms.	.15	-	.18
Orthonitroparachlorophenol, cns., lb.	.75	-	—
Orthonitrotoluene, dms.	.09	-	—
Orthophenetidin, dms.	.82	-	—
Orthotoluidin, dms.	.19	-	—
Osage orange crystals, bbls.	.23	-	—
Extract, No. 1, bbls.	.11	-	—
No. 2, bbls.	.10	-	—
Oxyquinolin sulphate, cns., 100 lbs., works	3.50	-	—
smaller lots, works	3.75	-	4.15

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Papain, powd., cs.	3.75	-	4.25
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots	7.00	-	—
smaller lots	7.05	-	7.35
Sulphate, cns.	7.10	-	7.35
Paprika,[1] Calif., sweet Caliente, ground, bgs.	.40	-	.41
Chilean, bgs.	30½	-	.31
Portuguese, bgs.	.39	-	.40½
Spanish, bgs.	.45	-	.46½
Para-anisidin, dms., works	.75	-	—
Parachlorophenol, dms., wks.	.26½	-	.28
Parachloropnenol, dms., c.l., wks.	.24	-	—
l.c.l., same basis	.25	-	.27
Paracymene, dms., c.l., works	.1595-		—
l.c.l., same basis	.1645-		—
tanks, same basis	.1545-		—
Paradichlorobenzene,[4] dms., c.l., works	.11	-	.12
l.c.l., same basis	.12½	-	.13
Paraffin,[3] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery	.04¼	-	—
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery	.05	-	—
120-122 ASTM, refinery	.0520-		—
122-124 ASTM, refinery	.0520-		—
125-127 ASTM, refinery	.0560-		—
127-129 ASTM, refinery	.0585-		—
128-130 ASTM, refinery	.0585-		—
130-132 ASTM, refinery	.0615-		—
132-134 ASTM, refinery	.0640-		—
135-137 ASTM, refinery	.0715-		—
140-142 ASTM, refinery	.0810-		—
146-148 ASTM, refinery	.1050-		—
Prices in bags 4/10c. per lb. higher			
Paraformaldehyde, dms., 1,000 lbs. or more, works	.21	-	—
smaller lots, works	.22	-	—
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., wks.	.12	-	—
10-gal. dms., works	.15	-	—
USP, cbys., cns.	.35	-	.45
Paranitroaniline, kgs., works	.43	-	.45
Paranitrochlorobenzene, xgs., wks.	.15	-	—
Paranitrophenol, kgs.	.35	-	—
Paranitrotoluene, kgs., works	.30	-	—
Paraphenylenediamine, tech., kgs.	2.00	-	—
Paratoluenesulphonamide, bbls.	.70	-	—
Paratoluidin, bbls., works	.43	-	—
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld.	.20	-	.27
l.c.l., same basis	.22	-	.28
Passion flower herb, bls.	.23	-	.24
Patchouli leaves, bls.	.34	-	.35
Pectin, bbls.	1.25	-	—
Penicillin, ampules, per 100,000 unit	.55	-	.95
Pennyroyal leaves, bls.	.16	-	.18
Pentachlorophenol, dms., works, lb.	.20	-	.25
Pentaerythritol, CP, bbls., dlvd. lb.	.75	-	—
smaller containers	1.00	-	—
tech., bbls., c.l.	.27	-	—
l.c.l.	.31	-	—
Pentane, 28°-38° C, industrial grade, dms., c.l., Group 3, gal.	.11	-	—
l.c.l., dms., Group 3, gal.	.19	-	—
industrial grade, tanks, Group 3, gal.	.07¼	-	.07½
laboratory grade, 10-gal. cns., dlvd. E., gal.	.55	-	—
dms., c.l., Group 3	.16	-	—
l.c.l., Group 3	.29	-	—
Pepper, black,[1,†] 15 tons, bgs.	.10	-	—
60 to 100 bgs.	.1050-		—
4 to 24 bgs.	.1100-		—
Red, capsicum, Carolina, longs, new crop, bgs., ship't point, lb.	.32	-	.32½
sports, old crop, bgs.	.46	Nom.	
Louisiana, sports, bgs.	No stocks		
longs, new crop, bgs., ship't point, lb.	No stocks		
Chillies, bgs.	.22½	-	.46
White,[1,†] bgs., 15 tons	.1161	Nom.	
24 bgs.	.1295	Nom.	
Peppermint, dom., USP, bls.	.70	-	.75
imported, bls.	.90	Nom.	
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	.0782-		.0800
Zone 2, same basis	.0832-		.0850
Zone 3, same basis	.0882-		.0900
Zone 4, same basis	.0876-		.0900
l.c.l., Zone 1, same basis	.0832-		.0850
Zone 2, same basis	.0882-		.0900
Zone 3, same basis	.0932-		.0950
Zone 4, same basis	.0926-		.0950
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.			
Peru balsam, dms.	1.10	-	1.25
Petrolatum, tech., dark, bbls., Group 3, c.l.	.021	-	—
golden topaz, bbls., c.l.	.032	-	—
l.c.l.	.036	-	—
red, veterinarian, bbls., c.l.	.024	-	—
l.c.l.	.028	-	—
USP, amber, dms., c.l.	.03¼	-	—
l.c.l.	.04¼	-	—
extra amber, dms., c.l.	.03¼	-	—
l.c.l.	.04¼	-	—
cream, c.l., dms.	.04¾	-	—
l.c.l.	.06¼	-	—
yellow, soft, dms., c.l.	.03½	-	—
l.c.l.	.04¼	-	—
white, lily, dms., c.l.	.05½	-	—
l.c.l.	.07	-	—
snow, dms. c.l.	.05½	-	—
l.c.l.	.07¼	-	—
soft, dms., c.l.	.05¼	-	—
l.c.l.	.07¾	-	—

Petroleum, crude, bulk, at wells, California, heavy grades, bbl.	.93	-	1.01
Illinois, bbl.	1.37	-	—
Kentucky, Union County, bbl.	1.32	-	1.37
Louisiana-Arkansas, bbl.	.88	-	1.30
Oklahoma-Kansas, bbl.	.85	-	1.25
Pennsylvania, bbl.	1.31	-	3.00
Texas, Gulf coast, bbl.	1.06	-	1.86
North, North-Central, bbl.	1.01	-	1.25
Panhandle, bbl.	1.10	-	1.22
West, bbl.	.70	-	1.72
Wyoming, bbl.	1.12	-	—
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd., E., gal.	.55	-	—
30°-60°C., dms., c.l., Group 3, gal.	.16	-	—
l.c.l, Group 3, gal.	.29	-	—
35°-60° C, 10-gal., cns., dlvd., E., gal.	.55	-	—
dms., c.l., Group 3, gal.	.16	-	—
l.c.l., Group 3, gal.	.29	-	—
40°-75° C, 10-gal., cns., dlvd., E., gal.	.55	-	—
dms., c.l., Group 3, gal.	.16	-	—
l.c.l., Group 3, gal.	.29	-	—
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 1, gal.	.04	-	—
Nos. 2 and 3, gal.	.03½	-	—
Bayonne, No. 2, tanks, gal.	.052	-	—
California, heavy, bbl.	1.10	-	—
light, bbl.	1.20	-	—
diesel, gal.	.04	-	—
stove dist., gal.	.05	-	—

Petroleum, fuel oil, furnace, at refinery, Group 3, No. 3, gal.	.03½	-	—
No. 5, bbl.	.85	-	—
No. 6, bbl.	.80	-	.85
Kansas, No. 3, bbl.	.85	-	.90
Oklahoma, No. 3, gal.	.03½	-	—
No. 5, bbl.	.90	-	—
No. 14-16, bbl.	.97	-	—
Pennsylvania, No. 1, gal.	.07	-	.07¼
No. 2, gal.	.07	-	.0808
No. 3, gal.	.06¾	-	.07⅛
36-40 gravity, gal.	.07	-	.07⅛
bunker C, tanks, Albany, N.Y. bbl.	1.75	-	—
Baltimore, Md. bbl.	1.55	-	—
Boston, Mass. bbl.	1.595	-	—
Charleston, S. C. bbl.	1.45	-	—
Jacksonville, Fla. bbl.	1.43	-	—
New Haven, Conn. bbl.	1.57	-	—
New York, N. Y. bbl.	1.55	-	—
Norfolk, Va. bbl.	1.515	-	—
Philadelphia, Pa. bbl.	1.55	-	—
Portland, Me. bbl.	1.60	-	—
Portsmouth, N. H. bbl.	1.60	-	—
Port Tampa, Fla. bbl.	1.32	-	—
Providence, R. I. bbl.	1.57	-	—
Savannah, Ga. bbl.	1.445	-	—
Wilmington, N. C. bbl.	1.47	-	—
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles, gal.	.11	-	—
Fort Wells, Wash. gal.	.12	-	—
San Francisco, gal.	.11½	-	—
Willbridge, Ore. gal.	.12	-	—
East coast, N. J., N. Y., tanks, refinery, gal.	.11½	-	—
Group 3, benzol type, tanks, gal.	.07¾	-	—
toluol type, tanks, gal.	.07⅝		

Petroleum, mineral spirits, California, San Francisco, 103-252 b.r., tanks, gal.	.10½	-	—
198-200 b.r., tanks, gal.	.10¾	-	—
312-408 b.r., tanks, gal.	.09	-	—
246-397 b.r., tanks, gal.	.10½	-	—
362-458 b.r., tanks, gal.	.09	-	—
East coast, N. J., N. Y., tanks, refinery, gal.	.10	-	—
Group 3, tanks, refinery, gal.	.06½	-	—
tankwagon, Baltimore, gal.	.135	-	—
Boston, gal.	.12	-	—
Bridgeport, Conn., gal.	.1430	-	—
Buffalo, gal.	.1240	-	—
Camden, N. J., gal.	.11	-	—
Chicago, gal.	.1150	-	—
Detroit, gal.	.1380	-	—
Hartford, gal.	.1430	-	—
Kansas City, Mo., gal.	.1280	-	—
Lancaster, Pa., gal.	.12	-	—
Milwaukee, gal.	.1240	-	—
Minneapolis, gal.	.1220	-	—
Newark, gal.	.11	-	—
New York, gal.	.11	-	—
Philadelphia, gal.	.11	-	—
Pittsburgh, gal.	.125	-	—
Providence, gal.	.13	-	—
Rochester, gal.	.1320	-	—
St. Louis, gal.	.1370	-	—
Syracuse, gal.	.14	-	—
Washington, D. C., gal.	.125	-	—
Wilmington, Del., gal.	.11	-	—
Naphtha, cleaners, California, tanks, San Francisco, gal.	.12	-	—
East coast, N. J., N. Y., tanks, refinery, gal.	.11	-	—
Group 3, tanks, refinery, gal.	.07¼	-	—

Yes, Dr. MacGee, Skelly's own highly esteemed wizard on chemical solvents, has returned from service with Uncle Sam's Navy.

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We're sure you are as glad to see him back as we are.

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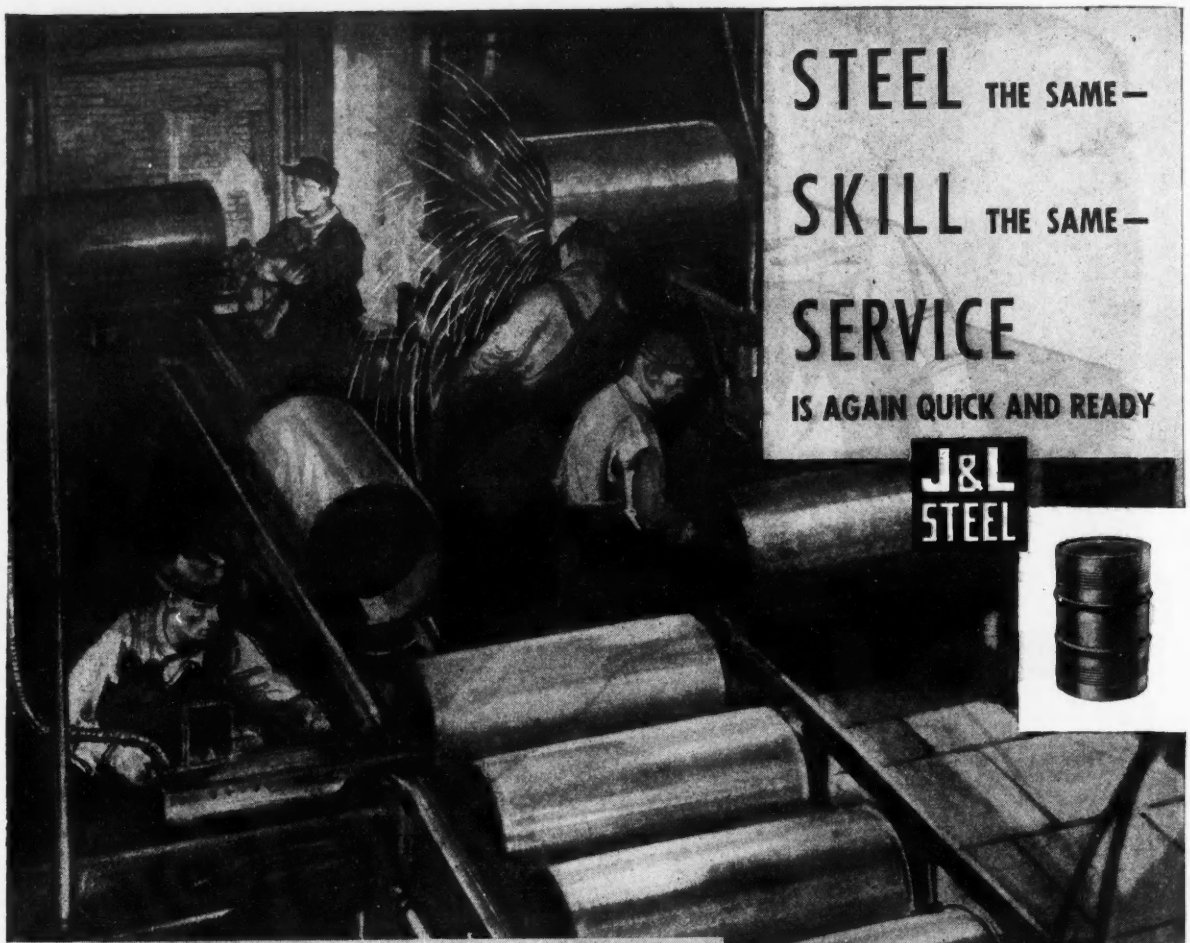
SOLVENTS DIVISION, SKELLY OIL COMPANY
SKELLY BLDG., KANSAS CITY, MISSOURI

Petroleum, naphtha, cleaners, tankwagon, Newark	gal.	.12	—
Bridgeport	gal.	.1730	—
Chicago	gal.	.1360	—
Detroit	gal.	.15	—
Milwaukee	gal.	.1440	—
Minneapolis	gal.	.1420	—
New York	gal.	.12	—
Philadelphia	gal.	.125	—
St. Louis	gal.	.1470	—
high-solvency, No. 1, over 76% arom., tanks, Bayway, N. J.	gal.	.21½	—
No. 2, tanks, over 90% arom., same basis	gal.	.21½	—
No. 3, tanks, same basis	gal.	.22½	—
No. 6, tanks, same basis	gal.	.228	—
No. 30, tanks, Kingsland, N.J., frt. alld.	gal.	.223	—
No. 40, tanks, Wilmington, Cal.	gal.	.18½	—
V.M.&P., at refinery, California, 46.5 254 i.p.b., 380 e.p., tanks, El Segundo	gal.	.11	—
Richmond	gal.	.11½	—
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	—
54-77, 190 i.b.p., 310 e.p., Los Angeles	gal.	.10	—
San Francisco	gal.	.10½	—
Portland, Seattle	gal.	.11	—
Group 3, tanks	lb.	.07½	—
Gulf Coast (divd. New Orleans), tanks	gal.	.06½	—
tankwagon, Boston	gal.	.13	—
Chicago	gal.	.1380	—
Detroit	gal.	.15	—
Milwaukee	gal.	.1540	—
Minneapolis	gal.	.1520	—
Newark (200 gals.)	gal.	.125	—
New York	gal.	.12	—
Philadelphia	gal.	.125	—
Pittsburgh	gal.	.12½	—
St. Louis	gal.	.1470	—
Petroleum, solvent, rubber, at refinery, California, San Francisco	gal.	.25½	—
East Coast, N. J., N. Y., tanks	gal.	.11	—
Group 3, tanks	gal.	.07½	.07½
Stoddard (CS 8-33), at refinery:— California (f.o.b. San Francisco), tanks	gal.	.11	—
East Coast, N. J., N. Y., tanks	gal.	.10	—
Group 3, tanks	gal.	.06¾	—
Pennsylvania, western, tanks	gal.	.07¼	.07½
tankwagon, Baltimore	gal.	.13	—
Boston	gal.	.12	—
Chicago	gal.	.13½	—
Detroit	gal.	.1580	—
Milwaukee	gal.	.1440	—
Minneapolis	gal.	.1420	—
Newark	gal.	.11	—
New York	gal.	.11	—
Philadelphia	gal.	.11	—
Pittsburgh	gal.	.12½	—
St. Louis	gal.	.1370	—
Syracuse	gal.	.14	—
toluol, tanks, divd. E.	gal.	.27	—
xylol, tanks, divd. E.	gal.	.26	—
Sulphonates,[6] 63% sulphonic content, ret. dms., c.l., works	lb.	.08¾	—
l.c.l., works	lb.	.09¾	.10¾
tanks, works	lb.	.09¼	—
50% sulphonic content, ret. dms., c.l., works	lb.	.09¾	—
l.c.l., works	lb.	.09¾	.10¾
tanks, works	lb.	.09¼	—
Phenobarbital, cms.	lb.	3.60	3.70
dms., 100 lbs.	lb.	3.50	—
Phenol,[5,6] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald.	lb.	.10	—
l.c.l., same basis	lb.	.10¾	—
tanks, same basis	lb.	.09	—
Phenol, 82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.09¾	.10¼
l.c.l., same basis	lb.	.10½	—
tanks, same basis	lb.	.08¾	.09¼
USP, dms., c.l., same basis	lb.	.10½	—
l.c.l., same basis	lb.	.11¼	—
tanks, same basis	lb.	.09½	—
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85	—
smaller lots	lb.	.87	.92
Yellow, fib. dms., 2,000 lbs.	lb.	.80	—
smaller lots	lb.	.82	.87
Phenothiazin, NF, fib. dms., 2,000 lbs.	lb.	.49	—
smaller lots	lb.	.54	—
Phenylacetaldehyde, solut., 50%, bots.	lb.	2.45	2.50
100%, bots.	lb.	4.00	5.00
Phenylethyl acetate, dms.	lb.	3.30	3.35
Phenylethylphenyl acetate, bots.,	lb.	4.75	4.80
Phenylhydrazin, base, CP, bots.	lb.	4.55	—
Hydrochloride, CP, bots., works,	lb.	7.10	—
commercial, kgs., works	lb.	1.75	—
Phloroglucinol, CP, fib. dms.	lb.	13.75	14.75
tech., fib. dms.	lb.	12.00	12.50
Phosgene, ton lots, works	lb.	.19	—
Phosphate, defluorinated (see under D).			
Phosphate rock,[1,2] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-68% b.p.l., bulk, car at mine, c.l.	long ton.	2.20	—
70%-68%, same basis	long ton.	2.60	—
72%-70% b.p.l., same basis	long ton.	3.20	—
75%-74% b.p.l., same basis	long ton.	4.20	—
77%-76% b.p.l., same basis	long ton.	5.20	—
entirely pebble, 50c. per ton higher than above prices.			
Phosphate rock, Fla., finely ground, 68.5% b.p.l., 30% P_2O_5 minimum	short ton.	3.15	—
68%, basis 31% P_2O_5 minimum	short ton.	3.35	—
70%, basis 32% P_2O_5 minimum	short ton.	3.70	—
Tenn., brown, unground, run-of-mine, 70-68% b.p.l., 5% i. & a., same basis	long ton.	5.30	—
72%-70% b.p.l., 5½% i. & a., same basis	long ton.	5.80	—
refinery, ground, 29% P_2O_5, same basis	long ton.	4.95	—
30% P_2O_5, same basis	long ton.	5.15	—
31% P_2O_5, same basis	short ton.	5.25	—
32% P_2O_5, same basis	short ton	5.50	—
33% P_2O_5, same basis	short ton.	6.00	—
Phosphorus, red, amorphous, cs.	lb.	.40	.44
tins, export	lb.	.55	—
yellow, cns.	lb.	.28	.35
dms., c.l.	lb.	.14¼	—
Oxychloride,[6] dms., c.l.	lb.	.10¼	—
l.c.l., dms.	lb.	.12½	.15
Pentoxide,[6] dms., c.l., wks.	lb.	.11	.12
l.c.l., works	lb.	.13	.14
Sesquisulphide,[6] cs.	lb.	.38	.42
Trichloride,[6] dms., c.l.	lb.	.10½	—
l.c.l.	lb.	.12½	.15
Phthalamide, bbls., works	lb.	.35	.40
kgs., works	lb.	.45	.50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver	lb.	.13	—
l.c.l., same basis	lb.	.14	—
Pichi leaves, bgs.	lb.	.07	.08
Picoline (see Alphapicoline and Betapicoline).			
Picrotoxin, bots.	oz.	3.00	—
Pilocarpine hydrochloride, USP, bots., vis.	oz.	3.75	5.10
Nitrate, bots., vis.	oz.	3.65	5.00
Pimento,[1] Jamaica, bgs.	lb.	.23	.23½
Pinetar,[4] retort, dms. incl. c.l., works	gal.	.31	—
l.c.l., works, dms. incl.	gal.	.32	—
tanks, divd. S.	gal.	.27	—
Pinkroot, bls.	lb.	1.10	1.15
Piperazine hexahydrate, bots.	lb.	16.00	—
Pitch, burgundy (see B).			
Coaltar,[3] 160° m.p., bbls., c.l., works	ton.	19.00	—
l.c.l., works	ton.	22.00	—
Cottonseed, dms., works	lb.	.04	.06
Hardwood, paper bgs., works	lb.	.03½	—
Linseed, dms.	lb.	.05	.05½
Petroleum (see Asphaltum, Mexican, Texas).			
Pine, dms.	100 lbs.	6.50	—
stands, 200 lbs.	stand.	6.00	—
Soybean, dms., works	lb.	.04	.06
Plaster of paris (see Gypsum).			
Podophyllin, dms.	lb.	8.75	9.00
Pokeroot, bls.	lb.	.18	.19
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld.	lb.	.32	—
20,000 lbs., frt. alld.	lb.	.33	—
smaller lots, frt. alld.	lb.	.34	.36
Water-clear, polystyrene, 7c. per lb. less than plain colors.			
Pomegranate, root bark, bgs.	lb.	.75	.76
Poppy flowers, bls.	lb.	.60	.70
Seed, Canadian, bgs.	lb.	No stocks	
Domestic, blue, bgs.	lb.	No stocks	
Dutch, futures	lb.	.40	.41
Indian, white, bgs.	lb.	No stocks	
South American, bgs.	lb.	.45	.46
Potash abietate	lb.	.08	—
Acetate, USP, bbls., dms.	lb.	.28	.30
cns.	lb.	.31	.33
Arsenite,[6] USP, solut., cbys., djns.	lb.	.13	.15
Bicarbonate, USP, cryst., gran., bbls., dms.	lb.	.19	.21
Bichromate,[1,6] bgs., c.l., works.	lb.	.10	—
l.c.l., works	lb.	.10½	.10¾
Potash bichromate in bbls. ½c. higher.			
Borate, gran., bbls., N.Y. or Chi.	lb.	.1015	—
Bromide, USP, gran., 500-lb. bbls., dms.	lb.	.25	—
100-lb. kgs.	lb.	.26	—
Carbonate, cal., bbls., c.l., works.	lb.	.06½	—
l.c.l., same basis	lb.	.06¾	—
hydrated, 83-85% bbls., c.l., works.	lb.	.05½	—
dms., l.c.l., same basis	lb.	.05¾	—
USP, gran., bbls., dms.	lb.	.14	.20
powd., bbls. dms.	lbs.	.19	.21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works.	100 lbs.	9.31	—
l.c.l., works.	100 lbs.	9.68½	—
90% basis, liquid, dms., c.l., works.	100 lbs.	8.56	—
l.c.l., works.	100 lbs.	8.68½	—
tanks, works.	100 lbs.	8.06	—
solid, dms., c.l., works.	100 lbs.	8.56	—
l.c.l., works.	100 lbs.	8.93½	—
regular, flake, 88-92%, dms., c.l., works.	lb.	.07	—
l.c.l., works.	lb.	.07¼	.07½
liquid, 45% basis, dms., c.l., works, frt. alld.	lb.	.03½	—
l.c.l., same basis	lb.	.03¾	.03½
tanks, same basis	lb.	.02¾	—
solid, 88-92%, dms., c.l., works.	lb.	.06¼	—
l.c.l.	lb.	.06½	.06¾
Chromate,[6] bgs.	lb.	.24	.28
Chlorate,[1] cryst., kgs., c.l., works.	lb.	.11	.11¾
l.c.l., works.	lb.	.119	.13
powd., dms., kgs., c.l., works,	lb.	.09¾	—
l.c.l., works.	lb.	.119	.13
export, 1 to 10 tons, kgs., ex whse.	lb.	.16	.18
Chloride, tech., cryst., 98%, bgs., kgs.	lb.	.08	Nom.
Citrate, USP, gran., bbls., dms.,	lb.	.33½	.35¾
powd., 3c. per lb. higher.			
Cyanide, dms., works.	lb.	.55	—
Fluoride, bbls.	lb.	.34	.40
Glycerophosphate, 75% sol., cns., cbys.	lb.	1.65	1.67
dms., 1,000-lb. lots.	lb.	1.50	—
100-lb. lots.	lb.	1.60	—
Guaiacolsulphonate, NF, dms.	lb.	1.65	1.66
Hydroxide, USP, sticks, dms.	lb.	.34	.36
Hypophosphite, cns.	lb.	.72	.75
Iodate, bots., 5 lbs.	lb.	3.46	—
cns., 25 lbs.	lb.	3.35	—
Iodide, bots., cns.	lb.	1.44	1.48
dms.	lb.	1.35	1.38
Manure salt,[6] 22% K_2O, Carlsbad, N. M.	unit-ton.	.20	—
25% K_2O, same basis	unit-ton.	.21	—
Metabisulphite, gran., bbls.	lb.	.19	.21
powd., bbls.	lb.	.25	—
Muriate, dom.,[6] 60-62-63% K_2O, bulk, ex vessel, ports	unit-ton.	.53½	—



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Copper Oxide
Copper Sulfate
Epsom Salt
Gilsonite
Lactic Acid
Nickel Acetate
Nickel Carbonate
Nickel Formate
Phosphoric Acid
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Zinc Carbonate

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15 William Street New York 5, N. Y.

Potash muriate, dom., granular, 60-62% K_2O..unit-ton. .63½- —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.3c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.

Nitrate (see Saltpeter).

Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .80
tech. fine gran., bbls., dms. lb. .28 - .81

Perchlorate, kgs., works....lb. .09¾- .11

Permanganate, tech., dms., wks. lb. .19¾- .20¾
USP, dms., works.....lb. .20½- .21

Persulphate, dms., c.l., works, lb. .16 - —
l.c.l., same basis.....lb. .20 - —

Prussiate, red, kgs.....lb. .50 - .53
Yellow, bbls.....lb. .16 - .17

Ricinoleate, tech., bbls.....lb. .13 - —

Silicate, glass, bgs., c.l., works. ton.200.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., wks. 100 lbs. 4.75 - —
32° Be, ret. dms., l.c.l., 5 or more, works..100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —

Potash sulphate, NF, gran....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min., 90% ex vessel, Atl. or Gulf ports.. ton.36.25 - —

Sulphocyanide, NF, dms.....lb. .70 - .76
Thiocyanate, bbls.....lb. .62 - .66
kgs. .....lb. .70 - .76
Xanthate, dms., c.l.....lb. .12 - —

Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95

Potash-magnesia sulphate, bulk,[6] min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.26.00 - —

Potash-soda ferricyanide, kgs., works..lb. .40 - .42

Potash-titanium oxalate, bbls., dms..lb. .45 - .50

Prickly ash bark, bls.....lb. .22 - .26
Berries, bgs.....lb. .20 - .21

Prince's pine herb, bls.....lb. .63 - .65

Procaine hydrochloride, cns., 100-lb. lots..lb. 4.00 - —
smaller lots.....lb. 4.25 - 4.75

Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —

Propyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —

Psyllium seed (see Fleaseed).

Pulsatilla, bls.....lb. .65 - .66

Pumice, grd., fine, bgs., ton lots, lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¾
Chi., ton lots.....lb. .04¼- —
Pumice in bbls. is ½c. per lb. higher.

Pumpkin seed, bgs.....lb. No stocks

Purple lake (see Red).

Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —

Pyrethrum,[1] concentrate, de-waxed, 20% for aerosol bombs, bbls., works.....lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal. 7.15 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal.10.65 - —

Flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb. .31½- —
fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —

Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis, lb. .45 - .45½

Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 -10.00

Pyrocatechin (see Catechol).

Pyronate, dms., works.....gal. .75 - 1.25

Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis....ton.13.00 -13.90
No. 3, 200 mesh, c.l., mines.ton. 9.50 - —
325 mesh, same basis.....ton.11.50 - —
Pyrophyllite in paper bags, $1.50 per ton extra.

Pyroxylin, transparent, cs., works, lb. .19 - —
black, ca., works.....lb. .17 - —
China, white ivory, cs., works. lb. .17 - —
dense, white, ca., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, ca., wks. lb. .14 - —
translucent pastels, cs., works, lb. .17 - -

Pyroxylin, transparent, cs, works, lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, ca., works..lb. .17 - —
mixed colors, ca., works...lb. .14 - —
white, ca., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .06 - .09

Quebracho extract,[1] solid, 63%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account..lb. .05¾- .06¾
clarified, 64%, bgs., c.l., same basis..lb. .06½- .09¾
dissolved, 35% tan., bbls., works..lb. .04575- .0625
tanks, works.....lb. .04075- —
ground, 70%, bgs., c.l.....lb. .089 - —
l.c.l., bgs.....lb. .0915- —

Queen of the meadow root, bgs. lb. .11 - .13

Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —

Quicksilver, flasks (76 lbs. net) flask.107.00 -112.00

Quince seed, bgs.....lb. 1.30 - 1.75

Quinidine,[6] NF V, cryst., cns.oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks

Quinine,[6] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs.. oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs. oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .80½- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydriodide, cns., 100 ozs...oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.. oz. No stocks
Salicylate, NF, cns., 100 ozs.oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. .80½- —
Sulphocarbolate, cns., 100 ozs.. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs...oz. No stocks

Quinine-urea hydrochloride,[6] USP, cns..oz. No stocks

Quinoline, dms., c.l., works...lb. .24½- .50

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —

Raspberries, dried, bls.....lb. 1.65 - 1.70

Red, alizarin lake,[6] bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.90

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .80 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works, lb. 2.50 - —
light, same basis.....lb. 2.20 - —
Orange (see Orange).
Carmine, No. 40, dms., 100-lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, dom., pure, bbls., Bethlehem, Easton, E. St. Louis, N. Y...lb. .09½- —
80-85%, bbls., same basis.lb. .09¾- —
Imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis...lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .090
Lacquer, maroon, bbls., wks..lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithol toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works...lb. .25 - .30
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake 25% kgs., works..lb. .40 - —
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide,[3] tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works.....lb. 2.62 - —
Metallic, bbls., works.....lb. .02 - —
Oxide (see Red, iron oxide).
Para[3] toner, concent., alizarin lake, kgs., works..lb. .70 - —
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom
Spanish oxide, grade 1, c.l., bbls. lb. .04¾- 07¾
Toluidin toner, alizarin lake, kgs. works lb. 1.05 - —
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E St L.....lb. .11 - —
Venetian, 8%, bbls., wks....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0285- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½ - —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65

Natural

BICHROMATES

for Victory and Peace

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BICHROMATE OF SODA

Crystals — Granular

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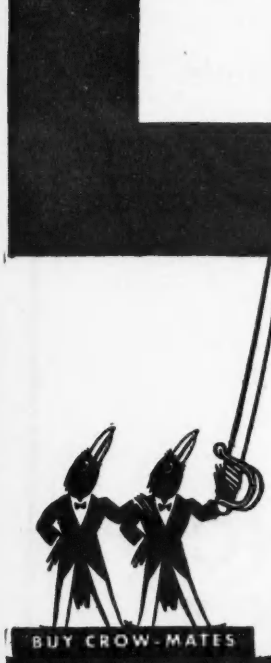
BICHROMATE OF POTASH

Crystals — Granular

BICHROMATE Natural OF SODA

Throughout the more than 35 years in which we have been serving industry, product purity and uniformity have been our constant watchwords. In the production of Natural Bichromates there has been no compromise with quality—and there never will be.



NATURAL PRODUCTS REFINING CO.

904 GARFIELD AVE., JERSEY CITY 5, N. J.

Red precipitate,[3] NF, powd., fib. dms..lb. 2.77 - 2.79
Red saunders wood, grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP, cryst., dms., frt. allo..lb. 1.60 - —
Rhatany root, bgs.....lb. .15 - .16
Rhubarb, whole, cs.....lb. .43 - .45
powd., bbls.....lb. .46 - .48
Riboflavin, bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga. or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, futures, bls.lb. .57 - .60
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, Portuguese, bls.....lb. .11 - .11½
Spanish, bls.....lb. .13¾- .14½
Rosin, gum,[1,6,7]—
B, dms., c.l.....100 lbs. 6.68 - —
D, dms., c.l.....100 lbs. 6.75 - —
E, dms., c.l.....100 lbs. 7.28 - —
F, dms., c.l.....100 lbs. 7.38 - —
G, dms., c.l.....100 lbs. 7.42 - —
H, dms., c.l.....100 lbs. 7.44 - —
I, dms., c.l.....100 lbs. 7.44 - —
K, dms., c.l.....100 lbs. 7.45 - —
M, dms., c.l.....100 lbs. 7.50 - —
N, dms., c.l.....100 lbs. 7.66 - —
W.G., dms., c.l.....100 lbs. 7.91 - —
W.W., dms., c.l.....100 lbs. 8.18 - —
X, dms., c.l.....100 lbs. 8.18 - —
Wood,[1,4,7] B (resin), dms., c.l., works..100 lbs. 8.00 - —
FF, dms., c.l., works.100 lbs. 4.50 - —
G, H, I, dms., c.l., works.. 100 lbs. 4.95 - —
K, dms., c.l., works..100 lbs. 5.00 - —
M, dms., c.l., works..100 lbs. 5.05 - —
N, dms., c.l., works..100 lbs. 5.15 - —
WG, dms., c.l., works.100 lbs. 5.25 - —
WW, X, dms., c.l., works... 100 lbs. 5.40 - —
Rotenone,[1,6] bbls., works.....lb.10.90 -13.50
extract, liq., dms., works.... per unit 1.05 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.. ton.25.50 - —
l.c.l., mines.....ton.27.50 - —
Rue, bls.....lb. .48 - .50

S

Sabadilla seed, powd., bbls....lb. .40 - .45
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.20 - 1.30
Persian, tins.....lb.46.00 - —
Spanish, NF, tins.....lb.35.00 -38.00
Safrol, cns.....lb. .90 - .92
Sage, Calif., leucophylla, bgs., Pacific coast..lb. .30 - .31
Dalmatian-type, No. 1, bgs., Pacific coast..lb. .95 - .96
No. 2, same basis.....lb. .68 - .69
Cyprus, good, bls.....lb. .17¼- .18
fair, bls.....lb. No stocks
Greek, bls.....lb. .27 - .29
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .17¼- .18
Washington, Dalmatian-type, bls..lb. .65 - .66
Sage flour, bgs.....lb. .95 - .95¾
Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Saligenin, dms.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .94
Powdered salol, 10c. higher.
Washington, bls., futures, source lb. .70 - .71
Salt rock, bgs, c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.20 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l. .....ton.19.60 -23.36
Saltcake, dom., bulk, works..ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns.kilo.170.00-175.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .47
Mexican, bls.....lb. .32 - .33
Sassafras bark, ordinary, bls.. lb. .40 - .45
Sassafras bark, ord., bls.....lb. .40 - .45
select, bls.....lb. .60 - .65
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls.....lb. .22 - .28
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .09 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Scullcap, Eastern, bls.....lb. .60 - .65
Seidlits mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34¾- —
Selenium, pwd., cns., 10 lb. lots.. lb 1.85 - —
cs., 1,000 lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 1.80 - 1.85
Senna, Alex., half-leaf, bls....lb. .19 - .22
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .17 - .17½
2, bls.....lb. .15 - .15½
3, bls.....lb. .14 - .15
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. 1.50 - 1.60
Shellac,[1] bleached, bonedry, bbls., 1,000-lb. lots..lb. .42½- —
Boston .....lb. .43¼- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500-lb. lots. lb. .43½- —
Boston .....lb. .49¼- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.
D.C., V.S.O., Diamond I, 100 bgs..lb. .4600- —
Garnet, 100 bgs.....lb. .3990- —
Superfine, 100 bgs., Boston, N. Y..lb. .3660- —
Chicago .....lb. .3710- —
Pacific coast.....lb. .3985- —
TN, 100 bgs., Boston, N.Y....lb. .3550- —
Chicago .....lb. .3600- —
Pacific coast.....lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works.. ton.17.00 - —
l.c.l., works .....ton.20.00 - —
400 mesh, bgs., c.l., works, ton.18.00 - —
l.c.l., works .....ton.19.00 -20.00
Silica, amorph, wet-grd., 325 mesh, bgs., c.l., works.... ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., works .....ton.35.00 -38.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works .....ton.21.50 -23.00
99%, 325 mesh bgs., c.l., works..ton.20.00 - —
l.c.l., works .....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works.....ton.15.50 - —
l.c.l., works .....ton.16.50 - —
99½%, 140 mesh, bgs., c.l., works..ton.11.00 - —
l.c.l., works .....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. 18¼- .27
Silver bullion.....oz. .71111- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots.....oz. .47¼- —
smaller lots.....oz. .47½- .47¾
Neucleinate, USP, bots., dms., oz. .308- .358
Proteinate, USP, bots., dms., oz. .288 - .338
Simarubra bark, bls.....lb. .55 - .60
Skunk cabbage root, bls.....lb. .25 - .30
Slate flour, bgs., c.l., works.ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, ctns.....lb. .95 - .98
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .80 - .85
Soapbark, bls.....lb. .15 - .16
crushed, bls., bbls.....lb. .18 - .19
cut, dom., bls., bbls.....lb. .20 - .21
imp., bbls.....lb. No stocks
powd., bbls.....lb. .21 - .22
Soda acetate, anhyd., dms., divd. lb. .08½- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., divd.....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Aluminate,[6] for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., divd....lb. .16 - .16⅝
Arsenate,[6] dms., dealers, c.l., works..lb. .08½- —
l.c.l., works .....lb. .10¾- .11⅛
Arsenite,[6] gray, dms., dealers, c.l., works..lb. .08¼- —
l.c.l., works .....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., divd., zone 1.... 100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, zone 1.. 100 lbs. 1.35 - —
l.c.l., zone 1.....100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.18 - —
bulk, c.l., works...100 lbs. .95 - —
extra, light, 50%, bgs., c.l.. 100 lbs. 1.18 - —
Soda ash, extra light, 58%, bgs., l.c.l., divd., zone 1..... 100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., divd., zone 1..... 100 lbs. 2.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.15
l.c.l., divd., zone 1..... 100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., divd., zone 1..... 100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. No. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

SOLVAY follows thru for industry

ALKALIES and RELATED PRODUCTS PLUS TECHNICAL SERVICE

FIELD SERVICE—Solvay Technical Service representatives visit plants, advise on handling and efficient use and application of Solvay Alkalies.

ANALYSES—Customers' products often chemically analyzed to determine the better use and application of alkalies in new processing methods.

PUBLICATIONS—Up-to-date bulletins, manuals, reports issued on the properties of alkali products and their uses in specific industries.

RESEARCH—Solvay chemists develop new uses for alkalies, as well as new Solvay products to serve industry.

Vital to industry are alkalies. Equally important is the need for a dependable technical source where up-to-date information can be secured regarding the use, handling, and application of these chemical "tools."

Solvay recognizes this double duty to industry. And . . . as America's largest and oldest producer of alkalies and related products, Solvay *follows thru* with a complete technical service. Consisting of expert technicians, engineers, laboratory and research chemists with years of practical experience and knowledge, the Solvay Technical Service Staff is constantly available for consultation. These specialists assist industry by collaborating on specific problems, by product analyses, by cooperating on situations involving the handling or efficient use of alkalies, and by suggesting new or improved processes employing alkali products to better advantage.

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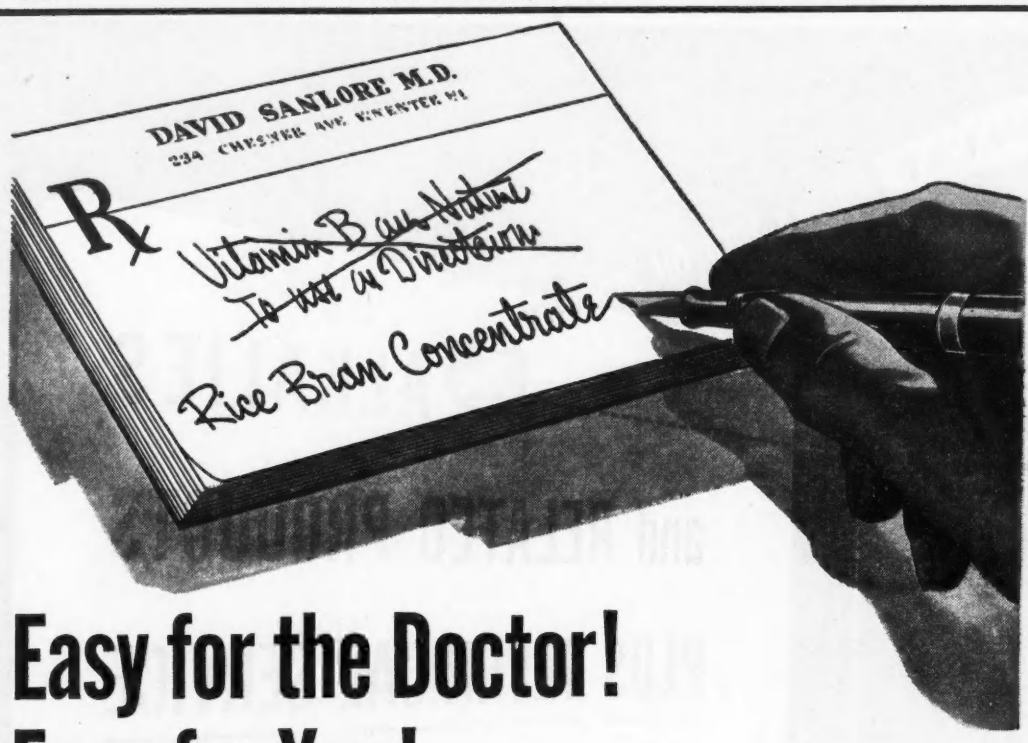
Soda benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more..lb. .46 - —
smaller lots.....lb. .47 - .53
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —
Bichromate,[1,6] bgs., c.l., wks. lb. .07¾- —
l.c.l., works.....lb. .07¾- .08¼
Soda bichromate in bbls. ½c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35°, bbls. c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., 100 lbs., works, lb. .28 - —
Cacodylate, bots., dms.....lb. 9.00 -12.00
Carbonate (see Soda ash, Soda monohydrate, Soda salt).

Soda caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.05
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works..... 100 lbs. 1.95 - —
70%, buyer's tanks, works.. 100 lbs. 1.97½- —
seller's tanks, works..... 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —
Caustic soda zones are same as soda ash.
Chloride (see Salt)
Chlorate, cryst., kgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works...lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[1,6] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equald..lb. .09½- .09¾
Soda chromate in bgs. is ½c. lower.
Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .23½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .15
dlvd..lb. .09½- .10½
anhydrous, dms., dlvd.....lb. .12½- —
Diacetate, 35-55% acidity, bbls.,

Soda fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works...lb. .065- —
l.c.l., works.....lb. .068 - —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, crys., bbls..100 lbs. 1.25 - —
dms. .....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., ens...lb. .82 - .90
Hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .18 - —
Hydroxide, USP, sticks, dms.lb. .24 - .30
tech. (see Soda caustic).
Hypophosphite, NF, ens.....lb. .67 - .70
Hyposulphite, crys., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea cryst., bgs., c.l., works.. 100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls.....lb. .10 - .12
Iodate, dms., pars.....lb. 5.40 - 5.45
Iodide, bots.....lb 2.53 - 2.57
dms., jars.....lb 2.42 - —
Mandelate, dms.....lb 3.25 - 3.35
Metaborate, gran., bbls., c.l., dlvd..lb. .0485- —
l.c.l., N. Y., or Chi....lb. .051 - —
bgs., c.l., dlvd.....lb. .0435- —
l.c.l., N. Y., or Chi.....lb. .046 - —
Metanilate, bgs.....lb. .40 - —

Soda metasilicate,[7] anhyd., dms., c.l., works, frt. equald. 100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.80
gran., bbls., c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .50
Molybdate,[6] anhyd., kgs., works, lb. .47 - —
Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls. .....lb. .50 - —
Nitrate,[6] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis.....ton.30.00 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
west coast ports..100 lbs. 8.00 - 8.65
l.c.l., dlvd. .....100 lbs. 8.90 -11.90
Orthocilicate, anhyd., dms., c.l., works, frt. equald..... 100 lbs. 4.50 - —
l.c.l., same basis...100 lbs. 5.45 - 5.95
flake, dms., c.l., works..100 lbs. 3.10 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .19 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquete, bgs., works, frt. equald..lb. .17 - .19
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt equald.lb. .17 - —
kgs., l.c.l., works, frt. equald. lb .19 - —
Perborate, NF, bbls., c.l., works lb. 14¾- —
l.c.l., works lb 15½- —
Peroxide, dms., c.l., dlvd., U. of Miss..lb. 14 - —
smaller lots .....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works.... 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP, XII, dried, bbls., dms., works..lb. .159 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.65 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - 6.05
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., same basis, 100 lbs. 2.70 - —
l.c.l., same basis.100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 3.80 - —
Soda phosphate in bbls. 20c. higher.
USP (see Sodium phosphate, dibasic.
Prussiate, yellow, bgs.....lb. .10¾- —
bbls. .....lb. .11 - —
Pyrophosphate,[6] tetra-basic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis.100 lbs. 5.40 - 5.75
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms. .....lb. .52 - .54
Sesquicarbonate, bgs., c.l. works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd.....100 lbs. 2.70 - —
2, dlvd .....100 lbs. 2.85 - —
3, dlvd .....100 lbs. 3.10 - —
4, dlvd .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works, 100 lbs. 3.05 - —
l.c.l., dlvd. .....100 lbs. 4.05 - 4.80
Silicate, 40°, turbid, spot, dms., c.l., works..100 lbs. .80 - —
l.c.l., works ....100 lbs. 1.05 - 1.20
tanks, works.....ton.13.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works .....100 lbs. 1.65 - 1.80
tanks, works .....ton.25.00 - —
Silicofluoride, bbls., c.l., works, lb. .06¾- .07
l.c.l., works.....lb. .08 - .10
Stannate, dms., works, frt. alld. E..lb. .32½- .36¾
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls lb. .07 - .07¼
tech., anhyd., bgs., c.l., wks. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works...100 lbs. 2.80 - —
l.c.l., works.....100 lbs. 2.88 - —
Sulphide, powd., bbls., c.l., works..100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms....lb. .55 - .65
Sulphohydrate, liquid, 38%, dms., c.l., works, 100% basis. lb .08 - —
l.c.l., works.....lb. .08 - —
tanks, 100% basis, works. lb. .03¾- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Tetrapyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs .....lb. 1.35 - 1.50
Soda-cinchophen, bots., dms...lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .22
Soda-sulphadiazin, USP, dms..lb.10.50 -10.60
Soda-sulphamerazin, dms.....lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., lb. 2.50 - 2.80
Solvent naphtha,[6] dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .28 - —
Minnequa, Colo.....gal. .26 - —
high-flash,[6] dms., works..gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —



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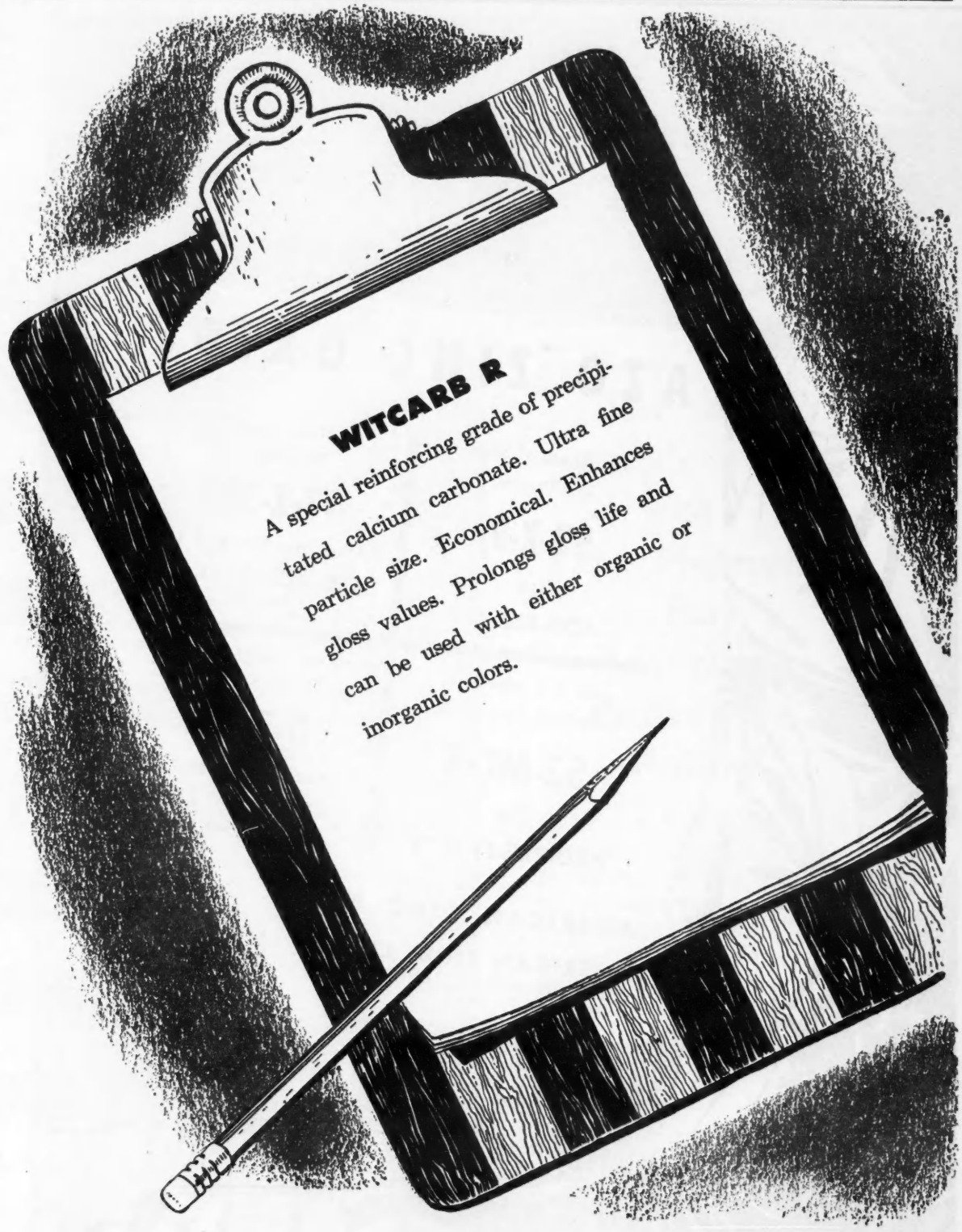
Pioneer producers of Rice Bran Concentrate, natural Vitamin A and Vitamin D Concentrates, and Calcium Pantothenate

Solvent naphtha, wire-enamel,[4] ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis.....gal. .30 - —
tanks, works.....gal. .22 - —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.45.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20½- —
smaller lots, works.....lb. .20½- .34
Sorbitol, com'l, dms., c.l., works, lb. .16¾- —
l.c.l., works.....lb. .17¾- —
Sparteine sulphate, bots., cns...oz. 2.25 - 2.95
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .48 - .49
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works .....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .58 - .58
Squill, red, fortified, powd., bbls., bxs..lb. 2.25 - —
White, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks.
St. John's bread, edible, bls...lb. .10¾- .11½
Starch, corn, pearl, bgs..100 lbs. 4.08 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs. .....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0712- —
Rice, bgs., c.l.....lb. No stocks.
Sweetpotate, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .06 - —
Iodide, bots.....lb. 1.67 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks.
Stoneroot, bls. .....lb. .07½- .08
Storax, cs.....lb. 1.15 - 1.40
Stramonium leaves, bgs.....lb. .21 - .22
Seed, bgs. .....lb. .20 - .21
Strontium bromide, cns., dms.lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls. .....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., kgs., Phila.lb. .35 - .37
Iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.06 - —
Lactate, dms. .....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works .....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.13
Sulphate, nat., air-float'd, 325 mesh 90%, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs., lb. 2.65 - 2.70
Strychnine, NF, cryst., cns., 100 ozs..oz. .70 - —
powd., cns., 100 ozs.....oz. .60 - —
Acetate, cns., 100 ozs.....oz. .88 - —
Arsenate, cns., 100 ozs.....oz. .91 - —
Arsenite, cns., 100 ozs.....oz. .88 - —
Glycerophosphate, cns., 100 ozs., oz. .89 - —
Hydrochloride, cns., 100 ozs..oz. .88 - —
Hypophosphite, cns., 100 ozs.oz. 1.00 - —
Nitrate, NF, cns., 100 ozs...oz. .82 - —
Phosphate, NF, cns., 100 ozs., oz. .89 - —
Sulphate, USP, cryst., cns., 100 ozs..oz. .58 - —
powd., cns., 100 ozs.....oz. .48 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works...lb. .45 - —
tech., bbls.. l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, USP, dms..... lb. 9.00 - 9.10
Sulphaguanidin, dms.....lb. 4.50 - 4.60
Sulphamerazin, dms.....lb. 9.00 - 9.10
Sulphanilamide, USP, bots....lb. 1.50 - —
fib, dms. .....lb. 1.05 - 1.25
Sulphanilamide, 30-80 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, lb. 5.00 - 5.30
Sulphathiozole, dms. .....lb. 2.50 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs. .....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works.. 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., wks. 100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur nowers in bbls., 35c. higher
rock, bbls., c.l., works..100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works.100 lbs. 2.40 -
l.c.l., works.....100 lbs. 2.75 - 2.90
Chloride, 55-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works .....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l .....lb. .08 - .08¼
Dioxide, liqu., com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls.. l.c.l., works..lb. .16 - .21
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .08 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a., bulk, production points, Balto., unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt charge from Anaconda, Mont., in excess of $8.03 per ton; guaranteed 18%, 19% or 20% a.p.a., ½c. per unit-ton higher.
triple, 40% or more, a.p.a., bulk, producing points, Florida unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls., Calif.....lb. .75 - .76

T

Talc, dom., ordinary, grd., bgs., c.l., works..ton.14.50 -34.50
l.c.l., works .....ton.16.50 -30.00
Calif., bgs., c.l., wks.ton.17.50 -42.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works .....ton.12.00 -14.50
Vermont, bgs., c.l., works, ton.14.00 - —
l.c.l. works .....ton.15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
grd., fine, New York, 225 mesh, 93-94%, bgs., c.l., works..ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85 - 99.95%, bgs., c.l.. works..ton.17.00 -21.00
imp. Canada, bgs., c.l.....ton.24.00 -30.00
Tallow,[1,7] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .05¾- —
special, loose .....lb. .08½- —
sulphonated, 50% (42% fat), dms., c.l..lb. .07 - .07½
(70% fat), dms., c.l.....lb. .10 - .10½
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls. .....lb. .13 - .14
Tankage,[1,7] animal feed grd., 9-11% ammon., bulk, unit-ton. 5.50 - —
Chicago .....unit-ton. 5.50 - —
fert. grd., 2% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1] f.o.b. Brazil...lb. .06½- —
delivery N. Y. .....lb. .07 - .07½
Java, bgs. .....lb. No stocks.
Tar acid oil, 15-18%, dms., cl., works..gal. .26¾- .27½
l.c.l., works .....lb. .28½- .29½
25%, dms., c.l., works..gal. .30 - —
l.c.l., works .....gal. .32 - —
Tar, pine (see Pinetar).
Tara,[2] powd., c.l, ex dock, U. S. ports..long ton.118.00 - —
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.30 - 1.35
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .53¾- .56
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .54 - .58
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.00
Terra alba (see Gypsum).
Tetrachloroethane, dms.. works, lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works....lb. .22½- .25½
tech. (see Perchloroethylene).
Tetrallin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 Nom.
Theobromine,[1] dms., 25-lb. lots.. lb. 2.80 - —
smaller lots lb. 2.90 - 3.00
Thiamine hydrochloride, dms., 100 grams or more..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .34 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, California, French type, bls., Pacific Coast..lb. .90 - .92
Spanish, bls.....lb. .15 - .16½
Thymol, cns. .....lb. 2.40 - 2.75
Iodide, dms .....lb. 3.40 - 3.50
Timbo root,[2,6] (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
crystals,[6] bgs., bbls.....lb. No stocks
Metal,[1,6] .....lb. .52 - —
Bolivian .....lb. .52½- —
Straits .....lb No stocks
Oxide,[6] bbls.....lb. .54 - .56
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,6] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .15½- .15¾
nonchalking,[1,6] bgs., c.l., dlvd. lb..lb. .16½- —
l.c.l., dlvd.....lb. .16¾- .17¼
plain,[6] bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .14¾- .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium, base,[1,4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Calcium, base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Calcium-rutile base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Magnesium base,[1,4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c higher; Pac. coast ¼c. higher, c.l., dlvd. l.c.l. ex whse.


WITCARB R
A special reinforcing grade of precipitated calcium carbonate. Ultra fine particle size. Economical. Enhances gloss values. Prolongs gloss life and can be used with either organic or inorganic colors.

WITCO CHEMICAL COMPANY

MANUFACTURERS AND EXPORTERS

[Formerly Wishnick-Tumpeer, Inc.]

295 MADISON AVENUE, NEW YORK 17, N. Y. • Boston • Chicago • Detroit • Cleveland • Akron • London

Titanium tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works....lb. .65 - 1.25
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 1.75 - 1.90
Toluidin base, distilled, kgs...lb .96 - —
Toluene (see Toluol).
Toluol (toluene) coaltar, 2° indust., dms., return, wks. gal. .32 - —
tanks, E. of Omaha, frt. alld. 2c. per gal..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
1° nitration, ret. dms., works, gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
Petroleum toluol prices, same as those for coaltar toluol.
Tonga, 50% bark and vine, bbls., lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.50 - 1.60
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[4,6] USP XII, 100 ozs., ozs. .82 - —
Triacetin, dms., works.....lb. .78 - .83
Triamylamine, dms., c.l., works, lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .30 - .31
smaller pkgs. .....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .52 - .55
dms., l.c.l., dlvd.....lb. .49 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l. works .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt., alld.....lb. .06½- —
tanks, frt alld. .....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —

Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .06 - —
Zone 2, frt. alld.....lb. .06½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —

Trichloroethylene, l.c.l., prices, ½c. higher Zones are—(1) Conn., Del., Ill., Ind., Ia. Ky., Me., Md., Mass., Mich., Minn., Mo. N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn. Vt., Va., W. Va., Wis., Omaha, K. C., Kan. (2) Ala., Ark., Fla., Ga., Kan., La., Miss. Neb., N. D., Okla., S. C., S. D.; (3) Col. Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal. Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate,[6] tech., cns. works..lb. .28 - .39½
dms., c.l., dlvd.....lb. .25 - —
l.c.l., dlvd. .....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine,[6] dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., wks. lb. .55 - —
l.c.l., works.....lb. .60 - —
Triethylenegiycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd. .....lb. .90 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate,[2] bbls., c.l., frt. alld..lb. .26 - —
l.c.l., same basis.....lb. .27 - .27½
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works..ton.17.50 - —
once-grd., bgs., c.l., works..ton.15.00 - —

Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[2,5] (see Cube root).
Tungsten metal, powd.,[2] 99-99.7% dms., works..lb. 2.60 - 5.40
Oxide, kgs. .....lb. No prices.
Turmeric root, Alleppey, bls..lb. .10½- .11
Haitian, bls., Miami or New Orleans..lb. .10 Nom.
Madras, bgs. .....lb. .12 Nom.
Turpentine, gum, ret. dms...gal. .91¼- .92½
Wood,[4] d.d., dms., East....gal. .65 - .70
tanks, East .....gal. .60 - —
steam-dist., ret. dms. East, gal. .80 - .83
tanks, East .....gal. .74 - .75
Sulphate, ret. dms.....gal. .65 - .76

U

Unicorn root, false (see Helonias root) True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb 1.95 - —
Urea, dom., 46% N, bgs. works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -85.00
import, pure, cs.....
Fertilizer comp., 42% N., bulk, c.l., works, or Atlantic or Gulf ports..ton.57.40 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopeville, Va., NH_3, ton.112.80 - —
Urea-ammonia liquor, fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

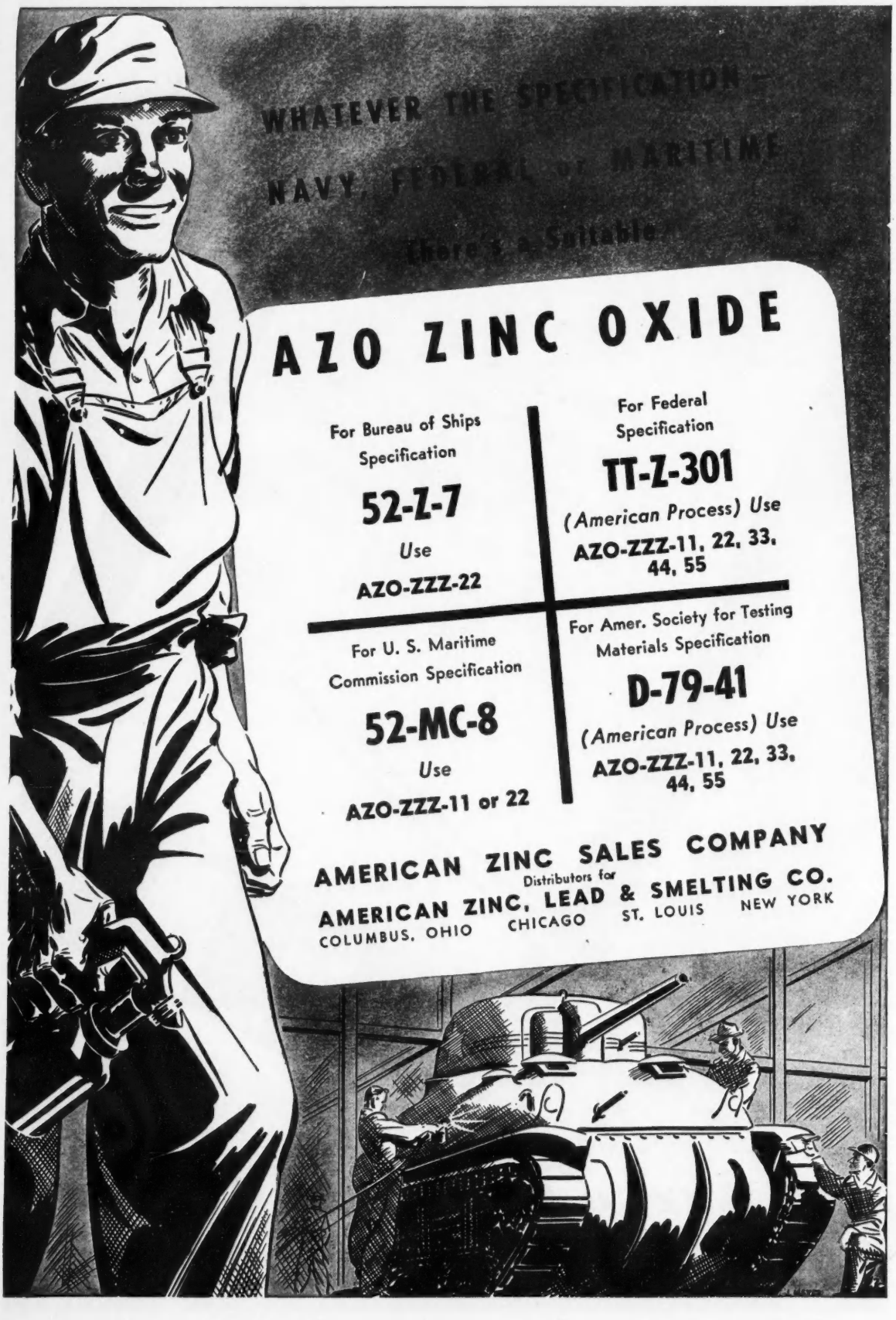
Urunday, c.l., ex dock, in bond, lb. .05 - —
Urunday price based on ocean frt., at $13, insurance $1, per ton.
Uva ursi leaves, bls.....lb. .19 - .25

V

Valerian root, Belgian, NF, bls., futures..lb. .58 - .60
Indian, bls.....lb. .45 - .46
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins .....lb.10.50 -11.00
Tahiti, white label, tins....lb. 3.50 - 3.75
yellow label, tins.....lb. 3.00 - 3.00
West Indian, tins.....lb. No stocks
Vanillin,[1] ex eugenol, tins, 25 lbs. or more..lb. 2.60 - —
smaller lots, tins.....lb. 2.65 - 2.75
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb 2.40 - 2.50
ex lignin, tins, 25 lbs. or more, lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .23 - .23
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works, lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), bots., mil. units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol)
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide)
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .55 - .60
Wattle bark,[1,5] E. African, bgs., f.a.s..ton.53.00 - —
S. Afr., bgs., f.a.s.....ton.53.00 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05¼- .06¼
tanks .....lb. .04¾- .05¼
solid, E. Agr., 61% tannin, ex dock..lb. .05595- .05845
S. Afr., tannin, ex dock.lb. .0572- .0597
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, bgs., ton lots..lb. No stocks
discs or cakes, bgs., ton lots..lb. No stocks
ctns., ton lots.....lb. No stocks
slabs, bgs., ton lots...lb. No stocks
crude, pure, African, bgs., ton lots..lb. No stocks
smaller lots.....lb. No stocks
Western hemisphere, bgs., ton lots..lb. No stocks
ref'd, USP, bricks, bgs., ton lots..lb. No stocks
discs., bgs., ton lots....lb. No stocks
ctns., ton lots.....lb. No stocks
round or squares, bgs., ton lots..lb. No stocks
ctns., ton lots.....lb. No stocks
slabs, bgs., ton lots....lb. No stocks
Candelilla, crude, bgs., ton lots. lb. No stocks
200 lbs. or over.....lb. No stocks
100 lbs.....lb. No stocks
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs., ton lots.....lb. No stocks
200 lbs. or over.....lb. No stocks
100 lbs.....lb. No stocks
smaller lots.....lb. No stocks
Carnauba, chalky, No. 3, bgs., ton lots..lb. No stocks
smaller lots.....lb. No stocks
North Country, No. 2, bgs., ton lots..lb. No stocks
smaller lots.....lb. No stocks
No. 3, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
refined, bgs., ton lots.lb. No stocks
smaller lots.....lb. No stocks
yellow, No. 1, bgs., ton lots. lb. No stocks
smaller lots.....lb. No stocks
No. 2, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
No. 3, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
Carnauba wax, powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton lots..lb. .13¼- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., ton lots lb. 15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., ton lots lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Wax, micro-crystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 80 tons yearly, contract, group 3, works. lb. .14¼- —
amber, ctns., smaller lots, same basis..lb. .14¼- .18¾
black, ctns., 80 tons, same basis..lb. .12¾- —
smaller lots, same basis, lb. .13 - .18¾
160°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots, same basis, lb. .16¼- .17¾
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots, same basis, lb. .15 - .18¾



Wax, micro-crystalline, 190°-195° m.p., A.S.T.M., white, ctns., 30 tons, same basis lb. .23¾- —
smaller lots, same basis, lb. .29 - .29½
Montan, domestic, bgs. lb. .30 - .35
Ouricury, bgs., ten lots lb. No stocks
smaller lots lb. No stocks
refined, bgs., ton lots lb. No stocks
smaller lots lb. No stocks
powdered ouricury prices same as candelilla.
Paraffin (see P).
Spermaceti, blocks, cs. lb. .26 - .27
cakes, cs. lb. .27 - .28
White lead (see Lead, white)
White precipitate,[3] powd., dms., 50 lbs. or more lb. 2.50 - —
White pine bark, rossed, bls. lb. .14 - .15
Whiting, chalk, dry-grd., bgs., c.l. ton. 18.00 -22.00
l.c.l. ton. 20.00 -24.00
wet-ground, bgs., c.l. ton. 21.00 -25.00
l.c.l. ton. 25.00 -29.00
gilders, bolted, bgs., c.l. ton. 20.00 -24.00
l.c.l. ton. 21.00 -25.00
extra-bolted, bgs., c.l. ton. 22.00 -26.00
l.c.l. ton. 23.00 -27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works, ton. 6.00 - —
smaller lots, N.E., works, ton. 7.00 - 9.00
wet-grd., air-coated, 350 mesh, 90¼%, bgs., c.l. ton. 9.35 -10.10
200 mesh, 99¾%, bgs., c.l., ton. 8.60 - 9.50
90%, bgs., c.l. ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l. ton. 10.00 - —
gilders, bgs., c.l. ton. 12.45 - —
putty grade, bgs., c.l. ton 12.00 - —
Paris white, bgs., c.l. ton. 24.00 -28.00
l.c.l. ton. 25.00 -29.00
precipitated, bgs., c.l. ton. 14.00 -15.00
l.c.l. ton. 18.00 -20.00
Wild cherry bark, thick, bls. lb. .06 - .07
thin, natural, bgs. lb. .16 - .17
rossed, green, bls. lb. .25 - .28
Wild indigo root, bls. lb. .30 - .31
Witch-hazel leaves, bls. lb. .21 - .22
Witherite (see Barium carbonate, natural)
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y. ton. 20.00 - —
60 mesh, same basis ton. 24.00 - —
80 mesh, same basis ton 27.00 - —
100 mesh, same basis ton. 30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs. lb .20 - .22
Levant, bgs. lb 4.50 - 4.75
Wormwood, bls. lb. .50 - .55

X

Xanthorrhiza, bls. lb .24 - .31
Xylene (see Xylol).
Xylidin, mixed, dms. lb. .35 - .38
Xylol (xylene), coaltar, indus., ret. dms., works gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
West Minnequa, Colo. gal. .26 - —
10°, ret. dms., works gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, ret. dms., works gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .36 - —
3°, ret. dms., works gal. .47 - —
tanks, E. of Omaha, frt. alld. gal. .41 - —
Petroleum xylol prices, same as those for coaltar xylol.

Y

Yara yara, cryst., bots., cns. lb. 1.75 - 1.90
Yeast, brewer's, dry, 50 B units, dms. lb. .35 - —
90 B units, dms. lb. .45 - —
200 B units, dms. lb. .50 - —
300 B units, dms. lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .22 - —
Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.
Benzidin, bbls., divd. lb. 1.85 - 2.25
Cadmium, CP, bxs. lb. 1.35 - 1.40
ton lots, E. of Rockies lb. .55 - —
smaller lots, same basis, lb. .65 - —
Sulphide, orange, cs., kgs., works lb. 1.10 Nom
Chrome, CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .16 - —
Chrome yellow prices are ¼c. higher, divd Ala., Fla., Ga., La. (Shreveport), 1¼c.; Miss., N. C., S. C., Tenn., Tex. (Dallas), 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.; Cedar Rapids, Des Moines, Kansas City Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver Pueblo Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch pink, bbls. lb. .09 - .11
Hansa, bbls., same basis as chrome lb. 1.87 - —
primrose, bbls., same basis lb. 1.75 - —
Mercury oxide, bbls., 1,000 lbs. lb. 2.42 - —
smaller lots lb. 2.45 - —
Ocher, American, golden, bbls., works lb. .04½- .06¼
yellow, bbls., works lb. .02 - .02¼
French type, bbls., c.l. lb. .0845- —
l.c.l. lb. .0865- —
Oxide, iron, nat., bbls., c.l., Bethlehem, Easton, Pa. lb. .04½- —
l.c.l., same basis lb. .05 - —
synth., bbls., c.l., works lb. .0686- —
l.c.l., works lb. .071 - —
Persian orange (see O).
Zinc, bbls., same basis as chrome lb. .16 - —
Navy spec. type, bbls., contract lb. .16 - —
Yellow dock root, bls. lb. .35 - .36
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls. lb. .21 - .26
Yohimbine hydrochloride, vls. oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works lb. .25 - —
smaller lots, works lb. .30 - —
Zinc acetate, tech., bbls., divd. lb. .16 - .17
USP, bbls. lb. .26 - .27
kgs. lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies lb. .11¾- .12¼
l.c.l., same basis lb. .12¾- .13¼
Zinc borate, bgs., c.l. lb. .12 - —
Carbonate, tech., rubber makers' grade, bbls., works lb. .09¾- .10¾
USP, precip., powd., bbls. lb. .35 - —
dms. lb. .40 - —
kgs. lb. .37 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 5.00 - —
l.c.l., works 100 lbs. 5.35 - —
gran., dms., c.l., works, 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - —
solution, 50%, dms., c.l., works lb. .0315- —
l.c.l., works lb. .04¼- .04½
tanks, works lb. .0250- —
USP, dms. lb. .30 - .31
jars lb. .35 - .36
Chromate (see Yellow, zinc).
Cyanide, kgs., works lb. .33 - .37
Dust,[6] bbls., c.l., divd. lb. .1035- —
l.c.l., works lb. .1135- —
Fluoride, bbls. lb. .25 - .30
Hydrosulphite, dms., works lb. .16 - —
Iodide, NF, bots. lb. 4.66 - 4.75
jars lb. 4.40 - —
Laurate, bbls. lb. .32 - .33
Metal,[1] (quotations in Protective Coatings market).
Naphthenate, 8%-10% Zn, dms. lb. .16 - .19½
Oxide, pigment, dom., acicular, bgs., c.l., divd. lb. .07¼- —
l.c.l., divd. lb. .07½- —
American process, com'l, lead-free, bgs., c.l., divd. lb. .07¼- —
l.c.l. divd lb. .07½- —
leaded, 5%, bgs., c.l., divd. lb. .07¼- —
l.c.l., divd. lb. .07⅝- —
35% or more, bgs., c.l., divd. lb. .07 - —
l.c.l., divd lb. .07¼- —
Zinc oxide, pigment, dom., French process, com'l, lead free, bgs., c.l., divd. lb. .07¼- —
l.c.l., divd. lb. .07⅝- —
green seal, bgs., c.l., divd. lb. .09 - —
l.c.l., divd. lb. .09¼- —
red seal, bgs., c.l., divd. lb. .08⅛- —
l.c.l., divd. lb. .08⅜- —
white seal, bgs., c.l., divd. lb. .09¼- —
l.c.l., divd. lb. .09⅝- —
USP, ctns., c.l. lb. .10½- —
l.c.l. lb. .10⅝- —
Zinc oxide Pac. Coast prices ½c. higher; bbl. prices ¼c. higher than bgs.
Resinate,[4] fused, 1% Zn, lump, dms. lb. .11 - .12
precipitated, 8.40% to 9% Zn, powd., dms. lb. .14½- .15
Silicofluoride, bbls. lb. .15 - .16
Stearate, tech., ctns., c.l., frt. equald. lb. .29 -
smaller lots, same basis lb. .30 - .31
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l., works, frt. alld. 100 lbs. 3.40 - —
l.c.l., same basis 100 lbs 4.15 - —
flake, bgs., c.l., same basis, 100 lbs. 3.80 - —
l.c.l., same basis 100 lbs. 4.55 - —
powd., bgs., c.l., same basis, 100 lbs. 5.35 - —
l.c.l., same basis 100 lbs. 6.10 - —
Zinc sulphate, in bbls., 25c. higher.
Sulphide,[5,6] pure, bgs., c.l., divd. lb. .08¼- —
l.c.l., divd. lb. .08½- —
bbls., c.l., divd. lb. .08½- —
l.c.l., divd. lb. .08¾- —
Barium pigment,[1,6] bgs., c.l., divd. lb. .0560- —
l.c.l., divd. lb. .0585- —
Zinc sulphide, calcium pigment,[1,6] bgs., c.l., divd. lb. .0550- —
l.c.l., divd. lb. .0565- —
Fluorescent pigment,[1,6] works, frt. alld. lb. .90 - 1.00
Magnesium pigment,[1,6] bgs., c.l., divd. lb. .05¾- —
l.c.l., divd. lb. .06 - —
Zinc sulphide and pigments, Pac. coast prices ¼c. higher; bbl. prices ¼c. higher than bgs.
Sulphocarbolate, NF, bbls., dms. lb. .26 - .31
Tallate, 5% Zn, dms. lb. .09¾- —
Yellow (see Yellow, zinc).
Zinc-ammonia chloride, dms., c.l., works, 100 lbs. 5.25 - —
l.c.l., works 100 lbs. 6.70 - —
Zinc-cadmium sulphide, fluorescent, ctns., works, frt. alld. lb. 2.00 - 2.50
Zinc-iron oxide pigment, bgs., c.l., divd. lb. .06 - —
l.c.l., divd. E. of Rockies, lb. .06¼- —
Pac. cst. lb. .06½- —
ex whse., Pac. cst. lb. .07 - —
Zirconium hydride, ctns., works, lb. 7.00 - 8.00
Nitrate, kgs., works lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works ton. 75.00 -100.00
ex whse., Pac. cst. lb. .07 - —
white, 99%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for Nov. 5.

HORSE HEAD XX ZINC OXIDE
LEHIGH LEADED ZINC OXIDE
FLORENCE ZINC OXIDE
KADOX ZINC OXIDE
STANDARD ZINC DUST
CRYPTONE ZS Zinc Sulfide Technically Pure
CRYPTONE BA Zinc Sulfide—Barium Pigment
CRYPTONE ZI ALBALITH LITHOPONE Water Dispersion Grades
CRYPTONE MS Zinc Sulfide—Magnesium Pigment
ALBALITH LITHOPONE
New Jersey zinc
The most Complete Line of Zinc Pigments ...for America's Peacetime Paints
With the removal of all government controls on zinc pigments, we look forward to the time when the famous line—the most complete line—of zinc pigments will all be available for America's peacetime paints.
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Oil, Paint & Drug Reporter

Founded October 18, 1871, by
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Enlightened Selfishness

Some two hundred members of the National Fertilizer Association gathered in Atlanta a week ago for a resumption of the Southern conventions of the organization. They assembled with some feeling of uncertainty with respect to the adequateness of supplies of some essential plantfood elements and the growing governmental inclination to seize upon such physical problems of the national economy as political capital for new theories of functioning. The conventioners heard some inspiring and informing observations on the facts, the responsibilities, and the opportunities of their industry. They closed their conference with more confidence in their outlook.

One of the influences contributing largely to the uplift of the fertilizer industry's conference was the instilling of an appreciation of the interdependence of producer and consumer, of the fact that ability to buy rests wholly on reality of earning, and that to help the consumer to increase his buying power is an application of enlightened selfishness which redounds in increased sales.

Selfishness that is aimed at development, rather than at exploitation, selfishness that is centrifugally, not centripetally, directed, contributes importantly to the interrelations of mankind and is fundamentally essential to the optimum development of economic interdependence. It is the antithesis of the shortsightedness which exhausts social, as well as material, resources for the sake of immediate gain. It lays a sound foundation and it provides sane stimulation for the profitable progression of the beneficent spiral of business growth.

—BOND YOURSELF TO KEEP THE PEACE—

Problems of Veterans

There was a debate in New York six or eight weeks ago on whether the returning war veterans presented a national problem. Whatever may have been argued in the negative—there are well-meaning persons who consider the problems of veterans matters of but local concern—the realities of the case quite clearly make the transition of the soldier to the civilian one of the biggest problems that any nation ever has been called upon to face. That may be the reason that it is getting such inadequate attention—locally, as well as nationally. The attention bestowed in the shape of favoritism legislation, thoughtless launching into self-employment, special consideration in the disposal of surplus government property is more than adequate in volume, but it has little, if any, long-range utility adequacy.

The veterans problem has many angles. Mental and physical readjustments are as prominent therein as are economic arrangements, and in some instances they are more difficult to effect. Blundering is to be expected. Politics is going to function far, wide, and sometimes fearsome. Employment conditions more or less reluctantly accepted, by both employer and employee, under the exigencies of war, just will not fit the moods of men enthusiastically bursting out of the meshes of military rules. And the most astonishing aspect of the whole problem is the astonishment of the home people that the returning veterans are not physically or, especially, philosophically the recruits who marched away.

It is probable that the most effective contributions to the solution of the veterans problem will be made by the veterans themselves. For this reason, it is highly desirable that all right-thinking persons watch and endeavor to shape the trend of veteran leadership. Today's employment unrest, uncertainty, and ignorance are not pointed in at direction.

One group there is of veterans who cannot do for themselves more than a small part of what their particular conditions require to be done. This group comprises the disabled men. It is a strong-spirited group, a mentally alert group, less given, on the average, to introspective brooding than are large numbers of those who have come back physically whole.

It is fortunate that lessons learned in the years following World War I are available for application to the problems of disabled men out of World War II through the agency of the Disabled American Veterans, a congressionally chartered organization which has been operating for more than twenty-five years. There is a threat of misfortune in the fact that DAV is not also congressionally endowed: today's big job is putting an excessive strain on its financial resources—the disabled men themselves are providing the additionally needed manpower. A campaign for the raising of a relatively modest fund is underway. No philanthropy presents a more deserving appeal.

—BOND YOURSELF TO KEEP THE PEACE—

Demand for Health Care

There was a cartoon in a recent number of *Yank*, the army weekly, which showed a medical examining officer and an induction officer gazing critically upon a human specimen physically very much under par. The legend was:—"On the other hand, he's not fit to be a civilian, either."

There is more than humor behind that statement. And that is one of the reasons why universal military training is being advocated. It is by far a bigger reason, almost the sole reason, why the idea of better medical care—health care is a better designation—more adequately distributed, has taken root, even in medical circles, and is growing vigorously, stimulated by the belief that a high physical standard of life is at least as important as a high economic standard of living as a contributory factor in relation to the national welfare.

Of course, there is not going to be any authoritarian determining or application of a physical standard of citizenship. But, there will be authoritarian insistence, at least, that the health of the citizenry be provided with the best possible care. Where that insistence will stop will depend wholly upon the extent to which the goals set up are kept within reasonable, practicable bounds and the extent to which they are achieved by means of private health services.

The discriminatory interpretation and application of the constitution which forced men to fight for the nation's life but did not require them to work for it, will not be advanced to meet the demand, "You kept us well to fight; now keep us well to work." The demands of health have always been held paramount to constitutional limitations on restrictive or promotive legislation. The political opportunity also looms large behind the idea of a better-health program.

So, the drug industry must be farsighted enough today to recognize tomorrow's possibilities. It is not necessary that a better-health program involve a panel system either in ministration or in medication. But, that is the easier way, and, as such, it will have a large measure of popularity in political circles if the choice of the system is left there because of procrastination or active obstruction. The National Drug Trade Conference will be wise to meet the industry's responsibilities in the better-health movement as promptly and as capably as it met the demand for a better "pure drug" law several years ago.

—BOND YOURSELF TO KEEP THE PEACE—

Who Will Meet the Need

Because of the almost universal assumption and pronouncement that further and further increases in industrial production are fundamentally essential to the development and maintenance of an adequate national economy, there is a disturbing incongruity in the survey report that some 1,700,000 persons in the New York metropolitan area dwell in slums. The condition certainly is no better on the average for the nation as a whole. What can bigger production do to remove that realistic blot from the vaunted high standard of living? Those who exist under greatly substandard conditions have, in large part, no share in the earnings of production, or must offer their services in overladen markets.

Satisfactory housing is a far bigger need, and a far more important desert, insofar as a substantial portion of the people of the United States is concerned, than are new-model motorcars, F.M.-video apparatus, or even white shirts. The providing of that essential is, of course, a process of production, a series, in fact, of integrated processes. But, it is not production of the sort that is widely proclaimed to be the *sine qua non* of full employment and of full enjoyment of the offerings of prosperity—two satisfactions which are not always coupled in reality. It is not, as the environs of even the busiest plants show, a consequence of any measure of production of more or less lasting articles of ordinary commerce.

Perhaps it is because housing is not a commodity of ordinary trade that it has got such a small share of commercial, promotive effort. That neglect is beginning to come into the consciousness of various groups. The resulting situation is one more in which private enterprise should strive hard to keep ahead of political programs. Slum clearance already looks good to those who believe in the inevitability of gigantic public works.

FRONTIERS OF HEALTH...

... *the Pharmacy of Today*

Today's brisk, white-coated pharmacist and yesterday's mellow, side-whiskered apothecary have one thing in common — painstaking care in compounding prescriptions. Yet the 1945 man-behind-the-counter has more to offer than his equally conscientious predecessor. He has at his disposal materia medica of a formerly unimaginable degree of potential effectiveness in the prevention and cure of disease, and as a result the present-day pharmacy is one of the frontiers of health.

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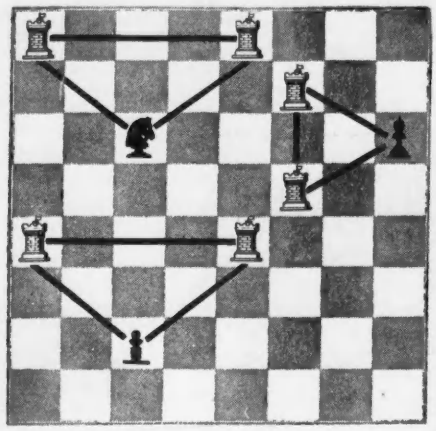

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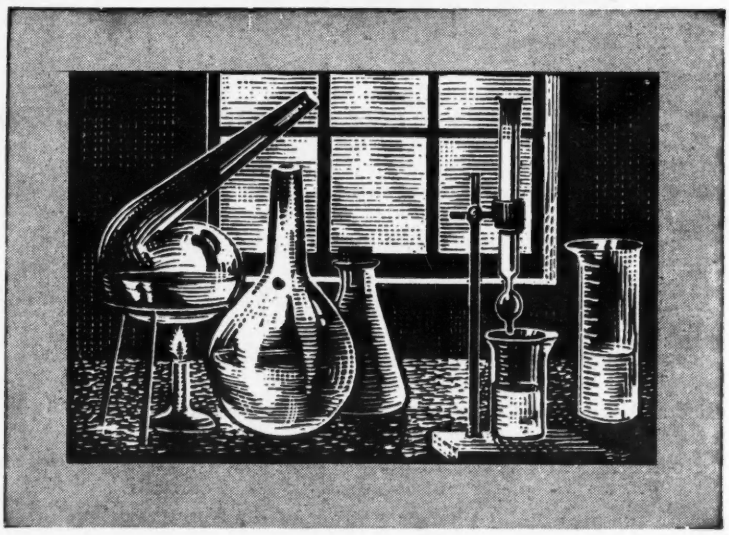

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Heavy Chemicals

Regardless of disturbances created by labor unsettlement in the various consuming industries, the overall demand for heavy chemicals has remained active. An encouraging development can be noted in chemical production through the settlement of labor difficulties that have aggravated output for several weeks. At present, it looks as though more alkali, calcium chloride and chlorine will be available to partially satisfy delayed shipments. In general, the current labor unrest is a key problem that both consumers and producers of chemicals are facing and it is messing up the reconversion program to no small degree.

With few exceptions, available supplies are short. There is an active export inquiry at present. It is apparent that the shortage of soda ash and caustic soda has tied up a lot of export tonnage. Several countries, formerly dependent on Germany are in the market for supplies. In the **smaller chemicals**, including the chlorates, copper sulphate and carbonate of potash, a fair business has been placed, the latter item finding a market in Turkey for use in drying fruit.

Sulphuric acid has maintained a favorable position. The major consumer, the fertilizer industry, has little complaint regarding shipments so far this season. Producers of oxalic acid are not eager for carlot business this side of January. Increased production of permanganate of potash is moving against deferred orders, leaving the spot market definitely tight. New producing facilities are supplying a little more nickel sulphate. Limited stocks of soapmaking oils are reflected in restricted purchases of caustic potash for use in the soapkettle.

Paper production as a percentage of six-day capacity was 97.0 in the week ended Nov. 10, according to the American Paper and Pulp Association. This compares with 97.5 in the previous week and 91.3 percent a year ago.

Ammonia Bicarbonate—Bakeries are taking this material in good volume and the outlook is considered satisfactory. The supply situation has improved since the demand for K rations and other government requirements subsided.

Ammoniac Sal — Available stocks have been kept at an exceedingly low level through the persistent buying for the manufacture of dry-salt batteries. Although the military demand for batteries has relaxed, inquiry from other sources has increased, particularly for export. It is stated that some of the new radio sets will require a dry battery as part of their equipment. Additional facilities for producing white sal ammoniac are still in the course of construction. Delays have been occasioned through difficulty in securing metallic parts which require special processing to prevent corrosion. When new production reaches the market, the supply picture is expected to change rapidly.

Antimony Oxide—Relaxation of demand has allowed the supply situation to improve. There is a moderate demand for use in flameproof paint, but nothing like the urgent call when the government was in the market. Arrivals of over 19,000 bags of antimony ore were noted from Russia.

Copper—Refined copper deliveries for domestic consumption in October amounted to 104,104 tons, the largest for any month since May, when they amounted to 139,203 tons, according to the Copper Institute. In addition, 110 tons were exported. These were the first foreign shipments since 1941, when 307 tons went abroad. Domestic deliveries in September were 83,478 tons. Of the domestic deliveries last month, 38,869 tons were obtained from ores mined abroad, compared with 26,692 in September. Refined domestic production was 70,363 tons, against 45,145. Stocks of refined copper held at domestic refineries on October 31 were 73,803 tons, an increase of 5,128 over the 68,675 on September 30.

Fluorspar—A preliminary study of the fluorspar deposits near Hot Springs, Sierra County, N. Mex., has been made by survey geologists engaged in the investigation of strategic minerals. The desposits include three veins which contain relatively large reserves of fluorspar ore, and consist chiefly of fluoite, calcite, and quartz. Large-scale geologic and topographic maps were prepared by the Geological Survey to aid in appraising the deposits and to facilitate the sampling program undertaken by the Bureau of Mines and the operator of the property. A preliminary report and accompanying maps on the White Star and Universal veins have been released to the public. Only a limited edition of this report is available. Copies may be obtained from the director, Geological Survey, Washington 25, D. C., by those who are directly interested.

Nickel Sulphate—No marked improvement in the market situation. Demand is active and will likely increase, if labor difficulties are ever settled in the automobile industry. Shipments are being made below schedule and it is stated that a lot of material has been booked that has not been delivered. New producing facilities have not been able to reach capacity to date.

Potash Carbonate—Market position healthy. Domestic demand pretty well leveled off and a fair export business has been placed. Some shipments are going to Turkey, where carbonate is used in the process of drying fruit.

Potash Caustic—Demand for liquid has dropped off substantially since the urgent call for high octane gasoline fell off and the supply at present is adequate to meet requirements. Stocks of the dry forms appear sufficient to meet the current demand. Purchases for use in soapmaking have continued along moderate lines, but are expected to improve if the supply of animal and vegetable oils increases.

Potash Chlorate — Between export buying and domestic demand, the supply position of chlorate has been kept definitely tight. Manpower shortage and occasional labor difficulties have interfered with production and kept the level below capacity. An unusually heavy demand from the match industry has featured the market.

Potash Permanganate—Deferred orders, which created a considerable backlog are responsible, primarily, for the tight position of this market. Even with increased production, the outlook is for a tight supply situation for some time ahead.

Soda Ash—Relieved of a lot of labor disturbances, production has increased. The supply situation, however, has not improved to any appreciable extent as demand has kept above output and there has been no accumulation of stocks. Fairly prompt shipments of bulk soda ash were obtainable, but ash in paper bags remained considerably below contract schedules with spot material exceedingly scarce both for home and export.

Soda, Caustic—Basic conditions have improved through the settlement of some of the labor disturbances that have aggravated output during the past few weeks. There was no particular change in the supply situation. Liquid caustic was obtainable for nearby shipments in tankcars, but the flaked variety as well as solid remained short and in a definitely tight position. This has checked export trade, although foreign inquiry continued active.

Soda Chlorate—Tight under a demand which has been sustained longer than usual for weed-killing requirements. While it is believed the peak movement has been reached, heavy

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
168.9	168.9	168.9	169.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

For Current Prices see page 9.

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BARIUM OXIDE — BARIUM HYDRATE

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shipments are still going forward for use in the southwestern areas.

Soda Phosphate—Chemicals Bureau gave August production of monobasic at 1,336 tons, compared with 1,225 tons in July. Stocks at the end of August were 228 tons, against 213 tons on July 31. The production of meta amounted to 2,227 tons in August against 2,633 tons in July. Stocks on August 31 were 271 tons, against 312 tons at the close of the preceding month.

Acids

Chromic—Supply position tight but showing a tendency toward gradual easement. Buying interest expanding as activity in automobile industry increases. Prices firm and unchanged.

Hydrofluoric—Consuming demand being satisfied promptly from adequate stocks. The market is probably in better supply than at any time during the year. Inventories of all the fluorides seem to be leaning toward expansion.

Naphthenic—Not in bad shape from a supply point of view. Consumers could take on more of the grades required for solid naphthenates but the other varieties show improvement compared with a few weeks ago.

Oxalic—January is being named for carlot shipments. There has been no easement in the extent of miscellaneous inquiry. Shipments have remained behind scheduled requirements owing to manpower shortage and a tight supply situation is indicated for several weeks ahead.

Sulphuric—There are a few areas where the supply is tight, but along the Eastern seaboard stocks are adequate to meet requirements. Shipments to the larger consumers are going forward promptly, the superphosphate producers getting about all they can handle under the present quota of manpower. Locally, the market shows a well-balanced position without suggestion of nearby change.

LeRoy Sherman Sets Up Labor Consultant Service

LeRoy B. Sherman, for several years labor consultant in the Chemicals Bureau of the War Production Board, has opened an office in Washington as a private consultant on problems of labor, manpower, and government relations. His office is at 410 Bond building, Washington 5. His office telephone is National 3934; the call at his home in Rockville, Md., is Rockville 452.

Chromate Corrosion Inhibitors Discussed

A 16-page technical bulletin based upon laboratory and field investigations of Mutual Chemical Company of America, 270 Madison avenue, New York, entitled "Chromate Corrosion Inhibitors for Internal Combustion Engines" is ready for distribution upon request. Purpose of the bulletin is to show how chromates may be employed to the best advantage in various engine-cooling systems.

Celanese Corp. Fellowship For H.G. Foust

The first appointment for the Celanese Corporation of America fellowship in chemical engineering in Princeton University has been made for the academic session 1945-46. The recipient is Harold G. Foust, of Waynesboro, who will pursue graduate study and research toward the doctorate degree in chemical engineering.

Lucidol Expands

The Lucidol Corporation is erecting additions, costing around $50,000, to its plant at Military road, in Tonawanda, N. Y., Dr. Franciscus Vissert't Hooft, vice-president, announced. A two-story addition to the main plant and a one-story experimental unit are being constructed.

Gaudin with Herbert Chemical

The Herbert Chemical Company, Cincinnati, Ohio, has named E. L. Gaudin vice-president. Mr. Gaudin was formerly Cincinnati representative for the Mathieson Alkali Works for eighteen years.

Cochrane Chemical Moves

Cochrane Chemical Company has announced the removal of its sales and executive offices from 432 Danforth avenue, Jersey City, N. J., to 180 Blanchard street, Newark, N. J.

Trade Briefs

Carbon bisulphide plant will be erected at Gemlik, on the Sea of Marmora, to produce for Turkey's only rayon factory, located in the same city. The amount needed is 600 metric tons annually.

Dr. Lawton A. Burrows has been made assistant manager in charge of research of the technical division of the explosives department of E. I. Du Pont de Nemours & Co., Wilmington, Del.

R. M. L. Francis, managing director of National Adhesives, Ltd., Slough, England, and recently Flight Commander in the RAF, has arrived in New York on his first visit to this country since prewar days.

Chemo-Synth Products is the firm name under which Dr. Henry Hess and Abraham Goldhaar have published a certificate that they are conducting a chemical business at 919 North Fairfax avenue, Los Angeles, Calif.

Richard Andrew Colgan, jr., of Diamond Match Company, New York, has been appointed executive vice-president of National Lumber Manufacturers' Association, to succeed Dr. Wilson Compton, who resigned Jan. 1, to assume the presidency of the State College of Washington.

Dr. Percy C. C. Isherwood, president of W. J. Bush & Co., Inc., New York, and of W. J. Bush Citrus Products Company, National City, Calif., and former chairman of the Association of British Chemical Manufacturers, pass through New York last week on his way to National City, Calif., and hopes to be back in New York about November 19.

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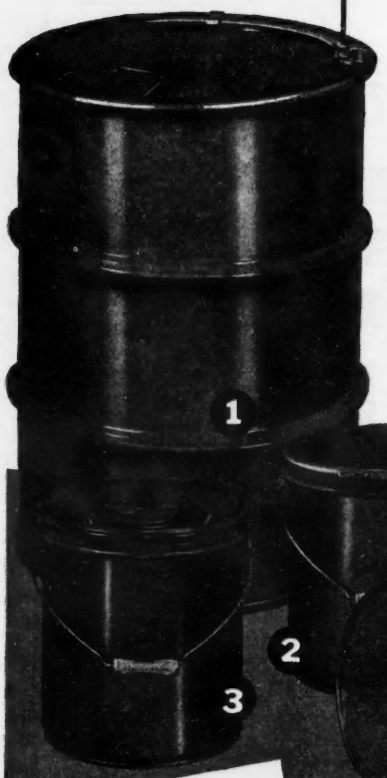

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Chemical Plants Offered by RFC

The Reconstruction Finance Corporation, a disposal agency designated by the Surplus Property Administration to receive proposals for the purchase or lease of war operated plants, offers the following for sale or lease:—

Industrial alcohol plants: — Grain Processing Corporation, Muscatine, Iowa, and U. S. Industrial Chemicals, Inc., Yonkers, N. Y., plants have rated production capacity of 1,020,000 and 4,500,000 gallons per year, respectively. Grain Processing Corporation occupies thirty-six acres and has a group of buildings with 76,400 square feet of floor area. Structures are tile, concrete and brick. Plant includes laboratory testing units, furniture and fixtures and has all utilities. Property serviced by spur track from Burlington, Muscatine and Northwestern Railway Company. U. S. Industrial Chemicals, Inc., property has a single building with 6,600 square feet of floor area which was built and equipped to supplement lessee's production of ethyl alcohol. Property has all utilities with railroad siding adjoining.

Amco Magnesium Company, Wingdale, N. Y., was designated to quarry dolomite, extract magnesium and melt and alloy magnesium with other lighter metals. The quarry and plant are connected by a right-of-way. The largest of twenty buildings is a two-story reinforced concrete and steel smelting structure.

Magnolia Petroleum Company, Beaumont, Tex., occupies 18⅜ acres and has eleven buildings with 21,000 square feet of floor area. Plant was equipped to produce toluene with a rated annual capacity of 6,000,000 barrels. Property has utilities and railroad siding.

Walter Kidde & Co., Inc., plant at Belleville, N. J., produced high pressure cylinder containers for compressed gases. Three buildings, plants 3, 4, 5, together with miscellaneous structural units of brick, steel tile and wood, occupy 21½ acres with 430,000 square feet of floor space. Plant has machinery, furniture and fixtures and complete utilities. Erie Railroad siding linked to property.

Wah Chang Trading Company plant at Glen Cove, L. I., N. Y., was designed to treat and purify tungsten ore with rated capacity of 10,000 to 15,000 tons per year. Building group contains 138,000 square feet of floor space. Property has wells on site with complete utilities available.

American Potash Names F. Vieweg President

F. C. Baker has resigned as president of the American Potash & Chemical Corporation, New York. W. J. Froelich, chairman of the board, announced that Frederic Vieweg, formerly vice-president in charge of West Coast operations, has been elected president. He will continue to make his headquarters at the Los Angeles office of the company.

Peter Colefax, formerly vice-president and secretary, has been named executive vice-president, Mr. Colefax is located at the company's plant at Trona, Calif. Mr. Baker, who resigned on account of ill health following a recent operation, had served as an executive of the coporation for twenty-two years.

Mr. Vieweg has been associated with American Potash & Chemical Corporation since 1919. He was manager at the company's plant at Trona from 1923 to 1930, vice-president in charge of sales from 1930 to 1941 and has been vice-president in charge of West Coast operations since that time. Mr. Colefax joined the company as secretary and treasurer in 1934 and was made a vice-president in 1941.

Fair Trade Conference In N.Y. November 30

Manufacturers of trademarked products who distribute under fair trade contracts for the maintenance of standard prices will hold their annual conference in the Waldorf-Astoria Hotel, New York, November 30. The conference will be under the auspices of American Fair Trade Council and will be held in the afternoon following the annual meeting and election of officers of that organization in the morning.

Obituaries

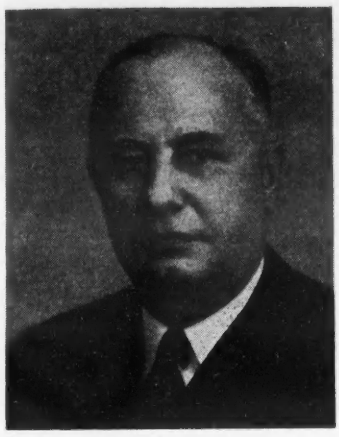
—Continued from page 4

retary of the Flavoring Extract Manufacturers Association.

Surviving are his wife and five daughters.

Thomas Sparks

Thomas Sparks, sales representative for S. B. Penick & Co., producer and manufacturer of botanical drugs and



Thomas Sparks

medicinal chemicals, New York, died November 9 at his home in Wynnewood, Pa.

Mr. Sparks joined the firm of S. B. Penick & Co. in the Fall of 1934, in the capacity of sales representative for Philadelphia, Baltimore and Washington. Prior to his connection with the Penick firm, Mr. Sparks had for about twenty years been connected with McIlvaine Brothers, Philadelphia. He was a graduate of the University of Pennsylvania.

Surviving are his wife and a daughter.

Fred Ackert, retired chemist, died recently in San Diego, Calif. He was seventy-six years of age.

Fred C. Conkey, managing director of Fuel Oil Supply, Elizabeth, N. J., died November 10. He was seventy-four years of age.

Lawrence A. MacVey, assistant to the president of Intava, Inc., New York, died recently. He was thirty-five years of age.

Vortex Co. Names String, Ladd to Executive Posts

J. E. String, associated with the Vortex Manufacturing Company, maintenance paint makers, Cleveland, Ohio, for twenty-five years has been elected president. E. V. Ladd, former president of the Federation of Paint and Varnish Production Clubs, has joined the company as vice-president in charge of production and development. W. C. Lehecka, who has been sales manager for six years and who has been connected with the paint industry in sales and sales management for twenty-five years, retains his position as sales manager and in addition becomes a director of the company. Lt. Col. Julian A. Andrus, recently returned from active service in the armed forces, again assumes his duties of secretary and counsel. H. S. Thayer, veteran treasurer, with twenty-three years' service, retains his position.

Calco to Centralize Research Activities

Ground has been broken for the first units of the research and technical sales service center of the Calco Chemical Division of the American Cyanamid Company, according to S. C. Moody, general manager. The center, when completed, will include the general administration office of the company.

When completed the new research and technical sales service center will house, according to Mr. Moody, all of the research and sales application laboratories now located throughout the Bound Brook plant and at the pigment department, Newark, N. J. Provision has also been made for a cafeteria, library and an auditorium, designed to seat approximately 300 persons. The entire group of buildings will cover an area of approximately six acres.

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Chemical Plants

—Continued from page 3

market situation for their products and the possibility of conversion of the ammonia plants to the manufacture of chemicals not involving nitrogen.

Nitrogen Chemicals

Appraisal of the potential industrial and fertilizer demand for nitrogen chemicals in the postwar period indicates a favorable outlook provided that gross national product and farm income remain high. The Department of Agriculture has recommended that a group of the government plants with a total annual rated capacity of 300,000 tons of nitrogen should be converted to the production of nitrogen materials, primarily fertilizers, for domestic civilian consumption. They have recommended further that on the basis of cost and of generally desirable properties, ammonium nitrate should be the fertilizer selected for production.

Some expenditure of government funds may be necessary to increase saleability, but the present worldwide deficit in nitrogen fertilizers appears to provide, at least for the coming year, a potential market for the output of such government-owned ammonia plants as may be continued in operation.

It has therefore been proposed that the surplus ammonia plants be sold or leased in such manner as to promote their continued operation, with the utilization of at least 250,000 tons of their aggregate capacity (representing the residual need above the 50,000-ton annual output of TVA) for the production of fertilizer and industrial nitrogen.

Within the limit of its legal authority the disposal agency should undertake necessary expenditures for installations of nitric acid, ammonium nitrate, or other nitrogen product facilities if negotiations reveal that this will aid disposal plants.

Alcohol Plants

Other excerpts from the summary of the report follow:—

Although there was a tremendous expansion in the output of industrial alcohol during the war, relatively few wholly new plants were built, of which only one, namely the grain alcohol plant at Omaha, Neb., involved government investment of more than $5,000,000. Their ultimate disposal will depend upon various economic factors involving the practicability of their operation in competition with plants making alcohol from molasses or petroleum, and the postwar market for alcohol and the synthetic rubber program. Disposal depends in some degree upon further determinations of public policy concerning the use of grain alcohol plants in connection with a broader program for the utilization of agricultural surpluses.

Toluene Plants

Of three petroleum refinery toluene plants for which government expenditures of more than $5,000,000 were authorized, only one was completed and operated. The Baytown Ordnance Works, whose annual capacity is more than twice the prewar consumption of toluene, has been declared surplus and leased to its wartime operator. The ultimate disposal of toluene plants built as adjuncts of petroleum refineries will depend on their adaptability for the production of other petroleum products such as aviation gasoline, motor fuel, and chemicals for synthetic rubber. The normal market for toluene is a limited one and is amply taken care of by production of byproduct toluene from coke oven or coal gas operations. Hence, disposal involves sale or lease to present, if not possible to independent operators, or alternatively, removal of the equipment for possible salvage.

Chlorine, Caustic Soda

Eight facilities were built by the government during the war for the electrolytic manufacture of chlorine and caustic soda. Two were adjuncts of magnesium plants, although capable of independent operation. Four were in Chemical Warfare Service arsenals, and one is in a synthetic phenol plant. The only one which is not a scrambled facility is Plancor No. 394 at Natrium, New Martinsville, W. Va., costing more than $14,000,000, which is likely to be taken up by the wartime operator under option terms. The disposition of facilities at magnesium plants is a part of the disposal, efforts be made to keep their chlorine facilities in operating condition by means of negotiated short-term leases. The disposition of other chlorine facilities when declared surplus will involve sale or lease by open negotiations, subject to options or special agreements with present operators, and dismantling for salvage of facilities which cannot be otherwise disposed of.

Only a few chemical plants involving more than $5,000,000 in government funds are not covered in the preceding sections. Four of these are chemical warfare service plants, of which three have been declared surplus. One is a special Ordnance plant for the production of formaldehyde, and one is a special facility (Plancor No. 201-C at Los Vegas, Nev.) for the production of potassium perchlorate. The disposal of these plants involves prompt sale or lease or, alternatively, their dismantlement or salvage. Finally, there is a special facility installed by the TVA at Wilson Dam, Ala., for the production of phosphorus and its derivatives. It is the present intention of TVA to operate this plant for the production of fertilizer."

Wyandotte Chemicals Appoints New Managers

Effective January 1, Bert Cremers, vice-president in charge of sales for the Michigan Alkali Division of Wyandotte Chemicals Corporation, has announced the following promotions:—

Carl Van Laaten will continue as the company's special representative to the glass industry and will give assistance to the Chicago, St. Louis and Cincinnati offices. Mel Thompson, formerly manager of the Detroit office, transfers to Chicago as manager. Horace Brunner of the sales staff becomes manager of Detroit city sales office.

M. J. Conway, veteran Michigan Alkali salesman in New York, becomes manager of the newly opened Pittsburgh office of his division. Pete Fuger of the sales staff moves to St. Louis as manager.

Mangion, Utter Rejoin Arthur D. Little, Inc.

Joseph Mangion and Joseph L. Utter have recently joined the staff of Arthur D. Little, Inc., industrial research organizations, Cambridge, Mass. Mr. Mangion, formerly laboratory director for the Alfred Hale Rubber Company, will take charge of the Arthur D. Little, Inc., rubber laboratory. Mr. Utter will be engaged primarily in work on ceramics. He was previously at the Massachusetts Institute of Technology, where he did war research on precision casting of turbine blades and on the atomic bomb.

Phila. Chemical Club Marks 25th Year

The Philadelphia Chemical Club observed its twenty-fifth anniversary at the Seaview Country Club, Absecon, N. J., November 2 and 3.

Harber with Bjorksten

Bjorksten Laboratories, Chicago, has named William I. Harber to its staff as a senior organic chemist. Dr. Harber was formerly with the Witco Chemical Company.

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271 RUSSELL STREET, BROOKLYN 22, N. Y.
Telephone EVergreen 9-4855

FLAKE and SOLID
SODIUM SULFIDE
60-62%
BARIUM CHEMICALS
Manufactured by
CHEMICAL PRODUCTS CORPORATION
CARTERSVILLE, GA.

COBALT OXIDE SULPHATE HYDRATE ACETATE
CERAMIC COLOR AND CHEMICAL MFG. CO., 1000 13th St., New Brighton, Pa.

METOL
(Monomethylparaminophenol Sulfate)
Registered Trade-mark
TANNIC ACID • GALLIC ACID
(U. S. P. and Technical Grades)
PYROGALLIC ACID • HYDROQUINONE
ZINSSER & COMPANY, Inc.
HASTINGS-ON-HUDSON, NEW YORK

Lithium Salts
• DELTO GUM BENZOIN
• DELTO ZINC OXIDE
99.91% pure
• LITHIUM SALTS
• MAGNESIUM THIOSULFATE
• CARBASONE U S P
• WOOL GREASE
less than 1% fatty acid
• LANOLIN TECHNICAL
less than 1% fatty acid
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THE STANDARD OF THE MOTION PICTURE INDUSTRY
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SODIUM SULFITE
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★ *And a complete line of photographic chemicals.*
A. R. MAAS CHEMICAL CO.
4570 ARDINE STREET · SOUTH GATE, CALIFORNIA
"ARMED FOR CHEMICAL SERVICE"

A.I.F. Adviser

Dr. Charles L. Smith has been named technical adviser to the Agricultural Insecticide and Fungicide Association. He succeeds Dr. Robert E. Wean, who has joined the Geigy Company, New York.

GLF Exchange Elects Directors

The year's wholesale purchasing and marketing volume of the Grange League Federation Exchange was $110,491,000, J. A. McConnell, general manager, said at a meeting in Albany last week. Directors elected were William S. Mapes, Middletown; George Hummer, Titusville, Pa.; Clifford Snyder, Pittstown, N. J.; Earl Clark, Norwich, and J. D. Ameele, Williamson, N. Y.

Trade Briefs

George H. French has been elected a director of the Davison Chemical Corporation, Baltimore. He is president of the Maryland Drydock Company.

J. Joseph Kelleher has been appointed manager of the contractors' division, Explosives Department of the Hercules Powder Company, Wilmington, Del.

Harold L. Danziger has been appointed assistant sales manager in charge of special accounts of 'Whiz' automotive division of the R. M. Hollingshead Corporation.

ABC Plating is the firm name under which P. Cuccio has published a certificate that he is conducting business at 415 South Redondo boulevard, Inglewood, Calif.

Frank G. Steward has been made manager of the agricultural products department of the Shell Chemical Division of the Shell Union Oil Corporation, San Francisco, Calif.

New Mexico School of Mines has available Bulletin 23, "Stratigraphy and Oil-Producing Zones of the Pre-San Andres Formations of Southeastern New Mexico." The price is 50 cents.

Fertilizer Tag Sales: October

	Equivalent tons		
	October		Jan.-Oct.
	1945	1944	1945
Virginia	32,466	31,498	531,716
North Carolina	60,906	30,585	1,268,756
South Carolina	33,280	22,670	725,260
Georgia	59,854	36,794	989,702
Florida	125,542	60,821	716,470
Alabama	16,400	16,500	665,500
Mississippi	4,500	15,750	337,557
Tennessee	19,975	17,852	267,202
Arkansas	3,200	2,500	113,400
Louisiana	6,024	2,375	213,510
Texas	16,940	8,365	191,855
Oklahoma	2,950	500	22,312
Total South	382,037	246,210	6,043,240
Indiana	26,506	5,896	408,606
Illinois	11,750	13,200	218,514
Kentucky	14,905	6,710	262,146
Missouri	1,388	2,399	146,634
Kansas	2,310	200	36,615
Total Midwest	56,919	28,405	1,072,515
Grand ttotal	438,956	274,615	7,115,755

So. States Cooperative Plans Output Expansion

Postwar expansion plans were discussed at the twenty-second annual meeting of the Southern States Cooperative of Maryland, Delaware, Virginia, West Virginia and Kentucky, held in the Lord Baltimore hotel, last week. More than 600 members and guests attended.

Approximately $6,000,000 will be spent by the cooperative during the next two years on expansion plans, W. G. Wisor, general manager of the cooperative, told the meeting. He said that of the total to be expended, $2,000,000 has been allotted for a new feed mill in Baltimore with a capacity of 400,000 tons of poultry and dairy feed a year, thereby doubling the capacity of the present mill in Baltimore.

Keim Joins Potash Institute

M. M. Keim, for the past three years industrial specialist with the Chemical Bureau of the War Production Board, has joined the staff of the American Potash Institute. He will be in charge of its economic and statistical department.

Barrett Advances Donald

Leroy Donald, Goodman, Miss., has been appointed chief agronomist for the sales agency department of The Barrett Division of Allied Chemical & Dye Corporation. Mr. Donald was formerly Southern agronomist for the same corporation.

Superior Export Corporation
29 BROADWAY, NEW YORK 6, N.Y.
WHitehall 4-8218
invite offers, phone or mail, for the following:
FORMIC ACID 90%
GLYCERINE
SODIUM PERBORATE
QUININE HYDROBROMATE
CHROMIC ACID
CAUSTIC SODA
Flaked or Solid 76-78%
LITHOPONE
POTASH OF BICHROMATE

HYDRAZINE SULFATE
HYDRAZINE HYDRATE
FAIRMOUNT CHEMICAL CO., INC., 600 Ferry St., Newark 5, N. J.

CHROME OXIDE
SELENIUM SALTS
VITRO MANUFACTURING CO., Corliss Station, Pittsburgh, Pa.

QUIMICA MERCUR S. A.
IMPORTERS AND WHOLESALERS OF REAGENTS, FINE AND HEAVY CHEMICALS
SÃO PAULO (CAPITAL)
RUA MAJOR DIOGO, 311
RIO DE JANEIRO
RUA MEXICO, 168
BRAZIL

Agricultural Chemicals

Fertilizer tax tag sales in October were at an unusually high level, according to the National Fertilizer Association. Total sales in the 17 rereporting states were 439,000 tons, the largest October sales ever reported. They were 60 percent larger than sales in October, 1944, and 22 percent larger than in October, 1943. Sales were also considerably larger in September, which was somewhat contrary to the usual seasonal trend. Total sales in the first ten months of this year were 7,116,000 tons. This represented an increase of 754,000 tons, or 12 percent, over the corresponding period of last year.

Superphosphate production has continued heavy, just as heavy as labor conditions would permit. Demand has shown no sign of easement, and suppliers state their sales are only limited by the extent of production. Conditions in potash are about the same as in superphosphate. The supply of sulphate of ammonia has remained tight under a heavy demand from mixers. Nitrate of soda has continued quiet so far as agriculture is concerned with stocks adequate to meet requirements. Production of the insecticide chemicals has progressed along seasonal lines, the intention being to create inventories to supply demand after the turn of the year. The organic fertilizer materials have not improved their supply position. Buying interest in bone meal, dried blood, tankage and castor pomace was active, with short stocks restricting trading to a minimum basis.

Nitrogenates

Ammonia Sulphate—Demand from mixers is running above the current supply limit and the market presents a tight position, with no evidence of nearby easement. Unfilled export inquiries have been in the market for some time. United Kingdom exports of ammonia sulphate more than doubled in quantity during the first half of 1945 over those for the corresponding period of 1944, according to statistics of the Department of Overseas Trade. Totals are shown as 104,735 and 47,559 long tons, respectively. During the first half of 1938, exports of this material amounted to 156,697 tons.

Dried Blood—About as short as at any time during the year. Material available found ready buyers at ceiling prices and the same condition was noted in tankage. An importation of 497 bags of liver tankage was recorded.

Hoof Meal—Demand was active enough to take offerings at full ceiling prices. Only occasional lots reached the market.

Soda Nitrate—Supply, so far as agriculture is concerned, is not a problem at present. Aside from domestic production, there are fair stocks of imported nitrate available and more coming.

Phosphates

Phosphate Rock—Total value of shipments of Florida land pebble in the first six months of this year was greater than in the similar period of 1944 but those of soft rock and hard rock were less, according to the Bureau of Mines. The quantity of Tennessee rock sold or used in the first half of 1945 was considerably greater than in the corresponding period of 1944, and there was a considerable increase in the total value. Idaho showed an increase in the quantity of phosphate rock sold or used in the first six months of 1945 over the January-to-June period of 1944. Both average and total values also increased. Montana shipments in the first six months of 1945 were much less than those of the corresponding period of 1944, with decreases in total and average values.

Superphosphate—Demand from fertilizer mixers was active and there was also an active inquiry for export. Some prominent suppliers stated they could sell more if the material was available. Triple remained tight with demand unabated for home and export. Contracts for this grade expire next month. Shipments cover periods of six months and run from June to December and January to June.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

For Current Prices see page 9.

Potashes

Steady demand has been maintained for muriate. There has been no letdown in the call for mixing purposes and heavy production has failed to permit the accumulation of reserve stocks. The absence of resale offerings has left the market in a relatively tight condition.

Spanish potash companies increased their output to 170,000 metric tons during the second quarter of 1945 from approximately 155,000 tons during the corresponding period of 1944. Production was stimulated by the improvement in the shipping situation between Spain and the United Kingdom.

Markets at Other Centers

Chicago, Nov. 16.—Orders for various grades of nitrogenous fertilizer materials are in good volume. This, in conjunction with the fact that supplies offered by sellers are still limited, is continuing the relatively strong tone noted everywhere in the market. Blood was firm to strong. Tankage remained quiet but firm. Bone materials held their own. Bone Materials—Steamed ground, 3 and 50 percent, $35 to $36 per ton; dry, rendered tankage, hard pressed, $1.25 per unit; cattle jaws, skulls and knuckles, $45 per ton; 50 percent meat and bone scrap, $68 to $70.

Los Angeles, Nov. 16.—All agricultural chemicals were in excellent demand here this week but limited offerings curtailed trading. Exports from Canada are off, and the continued labor shortage has helped to reduce supplies. Fish meal trading was slow. Ruling prices are:—Ammonia Nitrate—$65 per ton, with freight allowances up to $4.40 per ton from production plant. Ammonia Phosphate—$48 per ton for 16/20 grade and $57 for 11/48 delivered at production plant.

Insecticides

Cryolite supplies for agriculture look favorable at present. Stocks were not a problem during the past season and, from indications, inventories will not be short in 1946. According to the Department of Commerce, importations of natural cryolite from Greenland from January through July were over 16,000,000 pounds or 78 percent above arrivals for the corresponding period of 1944.

Copper chemicals have improved their supply position under the relaxation of government demand. A lot of sulphate has been taken for export, but not enough to threaten stocks for domestic use. Copper carbonate and naphthenate, as far as inventories are concerned, look much better than a year ago.

Representative John W. Flannagan, of Virginia, chairman of the house committee on agriculture, has introduced a bill (H.R. 4619) authorizing the Secretary of Agriculture to enter into an agreement with Mexico on a program for eradication of the pink bollworm. The program contemplates the destruction of, and enforced nonproduction of, cotton in pink bollworm areas and the payment of compensation to growers, ginners, and oil millers for losses resulting from such action. Authority is also given the secretary to enter upon such other programs for controlling and preventing the spread of this pest as he might deem necessary.

Sulphur and Pyrites

Consuming demand for sulphur has been sustained at a level to insure a steady movement from mines. Stocks are large enough to meet home and export requirements without difficulty, in fact, supplies have never been a problem throughout the entire year. Spanish pyrites has moved when available, market activity being regulated by shipments from primary points.

For Late Market Developments, See Page 4

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
MURIATE OF POTASH 62/63% K2O ALSO 50% K2O
MANURE SALTS 22% K2O MINIMUM
REG. U. S. PAT. OFF.
UNITED STATES POTASH COMPANY Incorporated
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

Domestic SULPHATE of AMMONIA AND AMMONIA LIQUOR
HEADQUARTERS FOR AMERICAN-MADE NITROGEN
Barrett NITROGEN
THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET • NEW YORK 6, N. Y.

SELECTED SPENT FULLERS EARTH
The Unexcelled Fertilizer Conditioner used by Leaders in the Industry
THE DICKERSON COMPANY
DREXEL BUILDING • • PHILADELPHIA 6, PA.

P.C.A.
The SALT of the EARTH
RED MURIATE
OF POTASH

BUSIEST and BIGGEST

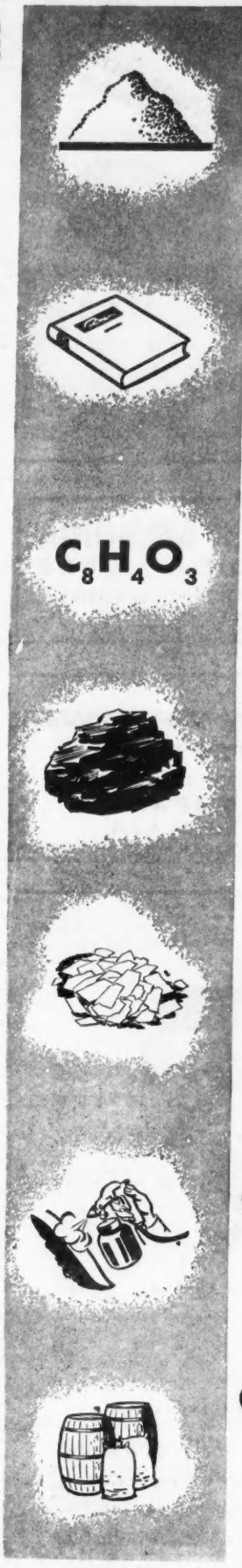
This has been PCA's busiest year; also its biggest.

We're proud of our 44-45 record and of the growth this year has brought...proud too of the *three* white stars on our Army-Navy "E" flag, awarded for meritorious service. Also we're proud of our friends in the fertilizer industry. We say "thank you" for your confidence, your patronage, and the pleasant relationships we mutually enjoy. We pledge our best efforts to continue to deserve them.

Copyright 1945, Potash Company of America

POTASH COMPANY of AMERICA
CARLSBAD, NEW MEXICO
GENERAL SALES OFFICE...50 Broadway, New York, N. Y.
MIDWESTERN SALES OFFICE...612 Lehman Building, Peoria, Ill.
SOUTHERN SALES OFFICE...Mortgage Guarantee Building, Atlanta, Ga.

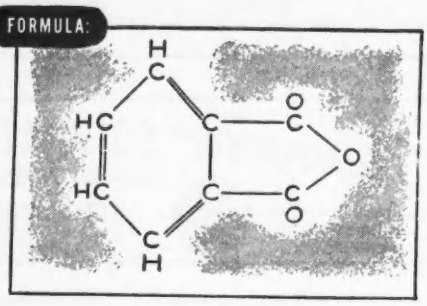
PHTHALIC ANHYDRIDE



DEFINITION: Phthalic anhydride is the anhydride of phthalic acid (ortho dicarboxylic acid of benzene). It is a pure white chemical raw material in the form of small, free-flowing flakes.

HISTORY: Laurent and Marignac first obtained phthalic anhydride by warming phthalic acid with acetyl chloride.

FORMULA:



$C_8H_4O_3$

SOURCES: Phthalic acid was formerly prepared by oxidizing naphthalene with concentrated sulfuric acid in the presence of a small amount of mercury or mercuric sulfate. The anhydride is now manufactured catalytically by passing heated air and naphthalene vapor over vanadium pentoxide.

CHARACTERISTICS: Phthalic Anhydride forms, on sublimation, long tough crystalline needles although the predominating commercial form is pure white flakes. Slightly soluble in cold water and quite readily soluble in hot water to form Phthalic Acid. Minimum solidification point 130.5°C; boiling point 248°C.

USES: A raw material for many ester-type plasticizers for lacquers and industrial finishes. Basic material for anthraquinone, dyes, phenolphthalein, etc. Used in making synthetic alkyd resin finishes.

GRADES: Pure white flakes shipped in wooden barrels — even net weight 275 lbs. and in multiwall paper bags — even net weight 80 lbs.

NOTE: Deliveries today are restricted by the primary requirements of phthalic anhydride for war uses.

This is one of a series of advertisements presenting information on basic coal-tar chemicals.

Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.
ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Consuming demand for basic coaltar chemicals has been maintained at a level somewhat above expectations, according to the opinions expressed by some prominent suppliers. Benzol has continued to show a fair degree of balance in this area although trade reports indicate some accumulations at out of town points. Crude naphthalene stocks are reported fairly free, but not burdensome. Constant buying of this material has suggested that some consumers may have resorted to stockpiling. Activity in the wood-processing industry has kept the outlet open for creosote oil production. Cresylic acid has not improved its supply position as there has been no easement in consuming demand. Natural phenol has continued scarce, but there was enough synthetic to meet current wants. Toluol remained in fairly liberal supply. Xylol was tight under an unusually heavy demand from the lacquer industry.

Most varieties of the hydrogenated solvents were available for prompt shipment. Supplies of several of the intermediates have improved under a better distribution of basic materials. Stocks of phthalic anhydride were sufficient to meet requirements of alkyd and other synthetic resins. Deliveries of anilin oil have broadened. Pressure of a heavy consuming demand, mostly for use in synthetic resins, has kept supplies of fumaric acid and maleic anhydride in a definitely tight condition.

Office of Surplus Property of the Reconstruction Finance Corporation announces that it has 1,749,281 pounds of diphenylamine for sale and will receive offers for this material at the respective regional offices of the RFC until November 30. Bids will be received at the St. Louis, Mo., office on 1,273,531 pounds under declaration No. 252276; at the Minneapolis office on 242,250 pounds under declaration 151963; and at the Birmingham, Ala., office on 233,500 pounds.

Steel production in October was crippled by coal strikes and dropped sharply to the lowest monthly total since May, 1940, according to data released by American Iron and Steel Institute. Steel operations during October averaged 69.3 percent of capacity, compared with a 76.3 percent rate of operations in September and with 95.6 percent in October a year ago.

Basic Products

Benzol—Trade reports indicate that there is not too much industrial or motor benzol in the local area. Production at present is about flush with consuming demand and this means a well balanced market. It is not believed that the same degree of balance is being maintained at some Midwestern points.

Coaltar—Production has averaged less than a year ago and present prospects do not suggest expansion. Steady shipments have prevented burdensome accumulations and the market has maintained a steady tendency.

Creosote Oil—Bureau of Mines gave September production, as a by-product from coke, at 2,398,293 gallons against 2,822,208 gallons in August, a decline of 15 percent. From January 1 through September, production amounted to 26,971,110 gallons, compared with 32,915,000 gallons for the same time in 1944. Sales ran very close to production. Stocks at the end of September were 857,277 gallons, against 973,050 gallons on August 31.

Cresylic Acid—Maintenance of heavy demand has prevented any easement in the acid supply situation. Importations and domestic production have been easily absorbed in the market's backlog of orders. According to trade reports, a lot of material will be required to restore the market to a normal degree of balance.

Naphthalene—September production, as a by-product from coke, was placed at 7,632,973 pounds by the Bureau of Mines. The August total was 7,242,148 pounds. Production from January 1 through September amounted to 67,944,527 pounds, compared with 78,401,000 pounds for the corresponding period last year. Stocks on September 30 were 2,428,643 pounds against 2,176,575 pounds at the close of the preceding month.

Phenol—Continued demand for miscellaneous industrial requirements is being satisfied on a fairly prompt basis. Plastics, chemicals and intermediates have been well represented in the current movement. There is much more synthetic available at present than natural phenol.

Toluol—Supply situation not much of a problem to buyers at present. Stocks are sufficient to meet demand with suppliers in a position to make prompt shipments.

Xylol—Production of xylol is finding a steady outlet mostly for lacquer requirements. Demand has kept somewhat ahead of output and this has held the market's supply position relatively tight.

Chicago, Nov. 16.—Consuming demand active for coaltar bases, with buying interest showing a tendency to expand. There was no pressure of offerings and the tone of the general market was firm. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, 15c. per gallon; 10-degree xylol, same basis, 30c.; industrial xylol, same basis, 26c.; 2-degree toluol, same basis, 27c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1 15½c.

Hydrogenated Solvents

Prompt shipments of cyclohexanol continued available and the same can be reported of cyclohexanone. Buying interest, while fair, has not been urgent and most transactions represented the actual wants of the rubber cement and other consuming industries. Cyclohexane has found a steady outlet, but there was not much of the methyl grades around or inquiry either.

Coaltar Acids

Anthranilic—Regular consumers are steadily taking up production and there was no evidence of excess material on the market. The position remains tight and firm.

Cleve's—Firm and in limited supply. Production channeled to consumers and running about flush with demand.

Fumaric — Major consumers taking all current putput. Large accumulation of deferred orders for synthetic resins and protective coatings is waiting to be satisfied. Supplies at present definitely tight.

Gamma—Supply position remained tight with current production passing readily into consuming channels and restricting the accumulation of stocks.

H—Regular consumers were getting requirements covered and the movement continued along rather narrow lines. There was no suggestion of price change.

Maleic—Current output is overtaxed to meet the deferred demand, mostly for use in synthetic resins. There are no reserve stock accumulations and it looked as though a definitely tight market can be expected for some time.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.8	129.2

For Current Prices see page 9.

Coke By-Products

Estimates of by-product coke-oven operations in the week ended November 9 indicate the following output of by-products from that source:—

Ammonia liquor NH_3.*	lbs.	852,876
Ammonia sulphate	lbs.	22 084,478
Benzol	gals.	2,783,003
Coaltar	gals.	10,324,044
Creosote oil	gals.	574,556
Naphthalene	lbs.	1,364,569
Phenol	lbs.	161,594
Toluol	gals.	556,601
Xylol	gals.	125,684

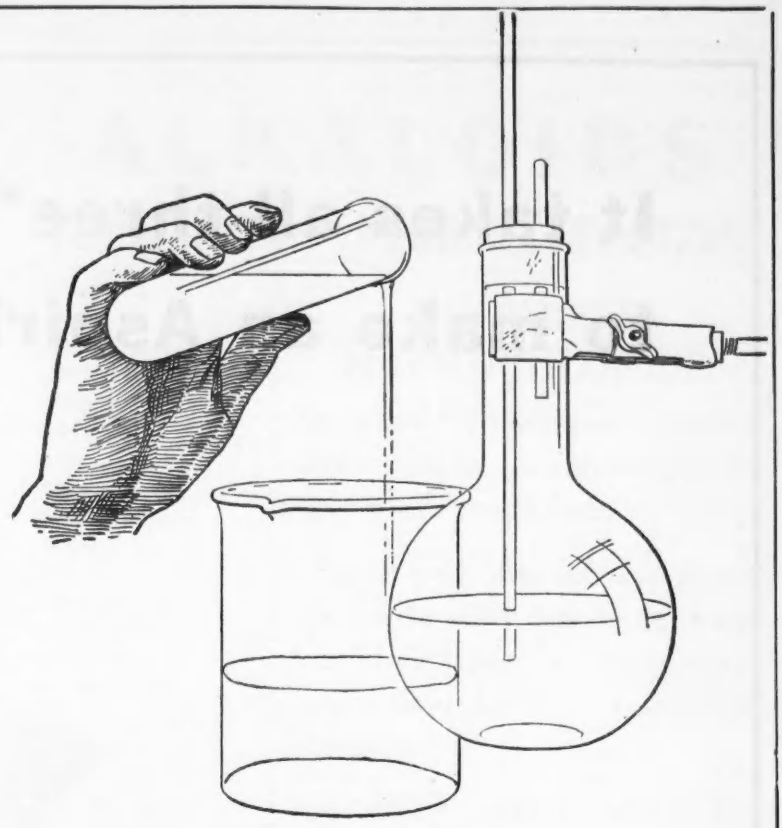
For Late Market Developments. See Page 4

KOPPERS Coal Tar Chemicals

Benzol
Toluol
Xylol
Phenol
Cresols
Xylenols
Cresylic Acid
Frozen Neutral Oil
Tar Acid Oils
Pyridine
Picolines
Lutidines
Quinoline
Naphthalene
Creosote Oil
Sulphate of Ammonia

and other coal tar chemicals

KOPPERS



KOPPERS COMPANY, INC.
TAR and CHEMICAL DIVISION
Pittsburgh 19, Pa.

The Industry that serves All Industry

Other Intermediates

Anilin—Deferred orders are taking care of a good part of present production of anilin oil. The call for use in the manufacture of dyes and intermediates has been active while a steady movement has been channeled to producers of rubber chemicals, pharmaceuticals and plastics.

Dimethylanilin — Production progressing along somewhat broader lines under a better supply of anilin. Supply situation easier although demand has prevented the accumulation of stocks.

Diphenylamine — Demand reported active from the dyestuff and textile industries. Shipments have shown improvement under a better production, permitted by easement in the supply of anilin oil.

Orthocresol—Plastics have taken the major part of domestic production. Some inquiry reported for use in the manufacture of coumarin and dyestuffs. Supply position continued tight.

Phthalic Anhydride—Stocks reported adequate to satisfy the requirements of the manufacturers of alkyd resins and other synthetic resins. Producers of esters, dyes and intermediates also seem to be getting all they desire to meet current wants.

Coaltar Colors

Gradual improvement was reported in the overall supply condition of the dyestuff market. Recent removal of restrictions on intermediates essential to dyestuff production and the elimination of military demand have been factors primarily responsible for the improvement in supplies of colors.

Dexter Chemical Plans Textile Chemical Division

The Dexter Chemical Corporation plans the formation of a textile chemical division January 1. Joseph B. Evans will be director of sales and S. M. Edelstein will be technical director. Mr. Evans is affiliated with the Celludye Corporation and after the first of the year, Celludye pigments will be distributed exclusively by the Dexter Corporation.

Cotton-Textile Institute Meeting November 28-29

The annual meeting of the Cotton-Textile Institute originally scheduled for October 24 and 25 at the Waldorf-Astoria has been postponed to November 28 and 29. Postponement was deemed advisable because of the heavy demand for hotel accommodations by the Navy for the week of October 21. The Cotton Thread Institute has postponed its annual meeting from October 23 to November 27.

J.T. Baker Adds Four to Research Staff

Ralph A. Clark, vice-president of the J. T. Baker Chemical Company, Philadelphia, has announced that the following research chemists have recently been added to the technical staff:—

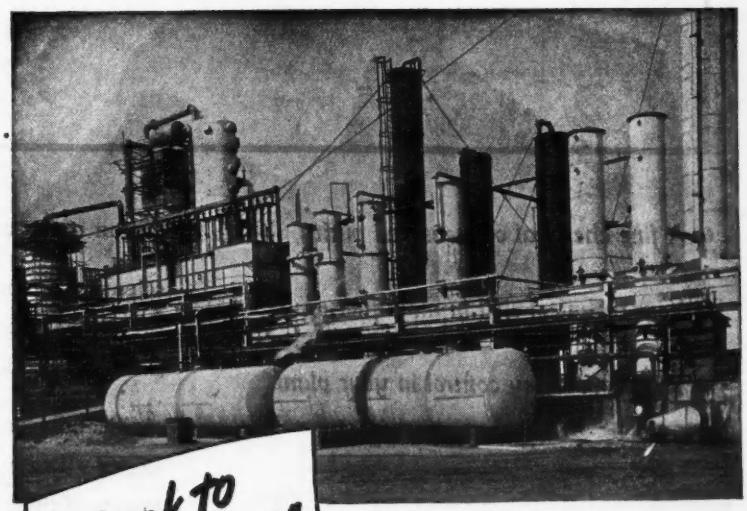
Dr. Werner Baumgarten, formerly with Hiram Walker & Sons, Inc., Peoria, Ill.; Dr. John H. Gardner, former associate professor of chemistry at the Washington University in St. Louis, Mo.; Dr. Remsen Schenck, who was working on atomic power in the Metallurgical Laboratories until he joined the staff of J. T. Baker; Dr. Harold Schedl, who is receiving his doctorate from Yale University this year.

Chemical Salesmen Plan Christmas Party December 20

The annual Christmas party of the Salesmen's Association of the American Chemical Industry will be held in the Hotel Roosevelt, New York, December 20. At this party there will be distributed the annual Chemical Peddler, a magazine published by the association for a laugh. Reservations for the Christmas party are in charge of W. Harmon, jr., of the Calco Chemical division, of the American Cyanamid Company, Bound Brook, N. J.

Federal Chemical Names Two to Sales Posts

Federal Chemical Company, Humholdt, Tenn., has named R. M. Brown division sales manager, and W. M. Stallings assistant sales manager.



Look to BETHLEHEM for COAL CHEMICALS

Benzol
(nitration, industrial, and motor grades)

Toluol
(nitration and industrial grades)

Xylol
(industrial grade)

Crude Heavy Solvent Naphtha

Crude Naphthalene

Crude Pyridine

BETHLEHEM STEEL

Other Bethlehem Products for the Chemical Industry

Forged pressure vessels . . . Chemical plant equipment . . . Sheets . . . Alloy studs . . . Pipe . . . BethColite (hot-dipped tinplate) . . . Electrolytic tinplate . . . Special-coated manufacturing terne plate . . . Black plate . . . Tool steel and small tools.

BETHLEHEM STEEL COMPANY • BETHLEHEM, PA.

OPD—11-19-1945 50

It takes all three• to make an Aspirin tablet!

- *A fine chemical of measured purity*
- *Your technical skill in manufacturing*
- *Rigid laboratory control in your plant*

Millions of aspirin tablets like this one move off druggists' shelves every year—to help prevent colds, to relieve millions of headaches and to deaden pain.

Small, unimpressive-looking, this tablet is nevertheless made with infinite care by a number of leading pharmaceutical houses.

And in that making, are these three vitally important factors:

— selection of the most uniform quality acetylsalicylic acid, which is the foundation of an aspirin tablet.

— scientific compounding and processing of all the ingredients into a quality finished product.

— rigid laboratory control, including testing of all raw materials, and constant testing of the product as manufactured.

The first of these factors is, naturally, one of great concern to Baker.

And it is equally important to the aspirin tablet manufacturer.

Choosing a fine chemical with purity to the decimal — such as Baker's acetylsalicylic acid U.S.P.—makes the manufacturer's job easier all the way.

For more than 40 years, Baker has built its chemical business on measured purity. That is why leading pharmaceutical and drug companies choose Baker as a source of supply. They know that Baker's purity by the ton in fine chemicals is the result of unique control methods and ceaseless testing.

When you specify any Baker fine chemical, you specify quality *at the beginning* and you get it. Both your compounding and your laboratory control are simplified. You have quality insurance for your products.

J. T. Baker Chemical Co., *Executive Offices and Plant:* Phillipsburg, New Jersey. *Branch Offices:* New York, Philadelphia and Chicago

Baker's
FINE CHEMICALS

Drugs and Fine Chemicals

Demand for drugs and fine chemicals was active last week. Articles of seasonal importance moved in excellent volume and in some instances available supplies were none too large. The general undertone of the market was one of firmness and strength, indicating the low point to which genuine competition has receded.

Considerable importance attached to a British report that quinine factors in Holland have placed orders in the United States for drying ovens to be shipped to Java where the production of quinine may be resumed under conditions making for enlarged production. The ovens have a drying capacity of 2,200 tons of dry bark per oven, per day.

Another angle was the statement by Dutchmen that because the Japanese planted no trees, the world may experience a shortage in bark in about 15 years. Cinchona trees mature in cycles and enough will mature yearly to prevent shortage earlier than 15 years. One factor was not touched on in the Dutch statement. Before the war, huge stocks were held by the Dutch as the result of their cinchona monopoly. Does that bark still exist? If so, the shortage 15 years from now may never occur.

Quicksilver advanced further and the market was basically firm to strong and continued price advances may come unless supplies are increased materially. Mercurials remained unchanged. Of some interest was the fact that alcohol stocks at the end of September were 51,144,000 gallons larger than September, 1944. The supply was held in industrial alcohol bonding warehouse and in denaturing plants. These data do not include stocks of spirits.

Glycerin was frightfully tight. Production is off because recovery of crude glycerin has dropped and imports are almost impossible because glycerin exists only in small amounts in foreign countries. Soap production is down and the situation is so bad that Britain has had to adopt further stringent rationing measures. Most sellers here quote ceiling prices, only one having failed so to do.

Acetanilide—No oversupply of this article is reported by the producers thereof and some reserve is exercised in the matter of selling for export account. Domestic production seems to be fairly well sold ahead.

Acid, Acetylsalicylic — Export inquiries continue to develop but those with business said to be firm in hand are unable to find goods to ship. With production well sold to the end of the year, the producers show absolutely no interest in the attempts of such countries as Denmark and Sweden to secure supplies.

Acid, Benzoic—Although raw material has become more plentiful now that consumption by producers of war merchandise no longer have major requirements, there is still a lack of substantial reserves in the local market. And demand is very good.

Acid, Gallic—Moderate quantities are available but there is still no liberal supply with which to provide buyers with unlimited quantities of the U.S.P. item. Pressing needs are supplied.

Acid, Nicotinic—One of the leading producers confirms prices prevailing unchanged for a considerable length of time. And demand continues to absorb production close to the available supply of prompt delivery goods.

Acid, Mandelic—Maintained steadily but in routine request which is being supplied with fair promptness by the producers.

Acid, Pyrogallic—Photographic grade is expected to show considerable gain in sales for civilian purposes now that the heavy consumption in wartime has tapered off.

Aloin—Strength that rules the prices for raw materials works over into the aloin market where there is mighty little competition for the steady consuming demand reaching the market each week.

Amyl Acetate—The production position has not worsened but is still in a position where some manufacturing consumers are fortunate to get even moderate portions of their contracted needs.

Argols—Reports from Algiers state that shipments of 30-40 percent argols from Algeria to the United States during the second quarter of this year completed a contract of 150 metric tons. Contracts were made in April for the shipment of 750 tons of 50 percent argols to both the United States and the United Kingdom and considerable amounts for the United States have been awaiting shipment in Oran and Algiers.

Butyl Acetate—Prices for fermentation normal butyl acetate remain inactive pending the readjustment of producers' views and production conditions to a consuming market utterly changed by the death of war-born consuming requirements. It would not surprise if price stability over a given period of time were to be succeeded by more frequent fluctuations.

Caffeine—Importations of anhydrous material continue to reach here from Santos, Brazil. The latest arrival was 100 barrels. Two elements are developing and are likely to affect the position which Brazil enjoyed during the war-time shortage. One is the large volume production of synthetic caffeine, already scheduled. The other is the coming greater availability of raw materials for those producing caffeine from raw materials of a vegetable character.

Castor Oil—Importations of castor beans at this port last week totaled 5,585,500 pounds, bringing the total since January 1 to 238,923,400 pounds. The latter figures compares with 236,951,240 pounds arrived during the corresponding period a year ago. Demand for oil pressed steadily and the call included good calls for medicinal purposes as well as for protective coatings. Shipment prices prevailing Brazil held firm. Production in Brazil for 1945 is estimated between 700,000 and 750,000 bags of 60 kilos each. The 1944 production was 700,000 bags. Brazil consumed 18,244 bags for oil production in the January-June semester. Exports from Bahia during the same period totaled 300,012 bags, comparing with the export of 265,430 bags in the like period, 1944. Most of the export was to the United States.

Chicago, Nov. 15.—Castor oil holds firm with stocks still moderate in size and demand reaching substantial proportions, especially from the manufacturers of protective coatings. Prices are:—Cold pressed, U.S.P., returnable drums, carlots, 13¾c. per pound; drums, less than carlots, 14½c.; tanks, 13c.; No. 3, extracted, returnable drums, carlots, 13½c. per pound; drums less than carlots, 14c.; tanks, 12¾c.

Emetine Hydrochloride—Removal of government controls has not increased substantially the amount of emetine on the open market. Not until substantial quantities of raw material can be brought to this country can the supply be increased more than moderately. And it is recalled that Brazil plans to embargo ipecac exports in 1946 and to then increase her exports of emetine. Whether domestic producers can compete with Brazil when they have to work from the lower test Nicaragua ipecac remains to be seen.

Fishliver Oils—During the past week, 129 drums of fishliver oils reached this port from Montevideo, Uruguay. Since stocks on the open market are very light and production in sight remains well engaged, the material will find ready buyers, it was said.

Chicago, Nov. 15.—Glycerin remains in tight position with supply running far behind demand and the market lacking signs of an early increase in available material. Prices are:—Chemically pure,

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Quicksilver, $3 per flask.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
205.3	205.2	205.0	236.0

For Current Prices see page 9.

ALKALOIDS

GLUCOSIDES — DRUG EXTRACTIVES

ACONITINE
AGARICIN
ARECOLINE
ASPIDOSPERMINE
ATROPINE
BERBERINE
CHRYSAROBIN
COLCHICINE
DIGITALIN
EPHEDRINE
ESERINE
HOMATROPINE
HYDRASTINE
HYOSCINE
HYOSCYAMINE
LOBELINE
OUABAIN
PICROTOXIN
PILOCARPINE
SANGUINARINE
SPARTEINE
STROPHANTHIN
YOHIMBINE

YOHIMBINE HYDROCHLORIDE

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This is just one of the many alkaloids that we have been manufacturing for the pharmaceutical trade for twenty-seven years.

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INLAND ALKALOID COMPANY

MANUFACTURING CHEMISTS

TIPTON INDIANA U. S. A.

OPD—11-19-1945 51

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LUPERCO*
(PEROXIDE COMPOUNDS)

ALPEROX* C
(TECHNICAL LAUROYL PEROXIDE)

LUPEROX*
(PEROXIDE PASTES)

Special Organic Peroxides

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EDWAL
AMINO ACID MIXTURE FROM PROTEINS
BENZYL ACETAMIDE
ESTROGENIC SUBSTANCE
PHENYL MERCURIC COMPOUNDS
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The EDWAL Laboratories, Inc.
732 FEDERAL STREET CHICAGO, ILLINOIS

17c. per pound, tankcar; 17¼c., drums, carlots; 17¾c., drums, less than carlots; high gravity, 16¾c. per pound, tankcar; 17c., drums, carlots; 17½c., drums, less than carlots.

Glycerin—The supply situation continued to tighten and conditions do not point to an early increase of available supplies. Three of the largest refiners sell only at ceiling limits and quote chemically pure, high gravity, and dynamite grades at identical prices—being based on 18c. per pound in tanks. Attempts to secure crude glycerin in foreign parts succeeds but rarely since it appears that production in such areas has dropped exactly as it has in the United States. During the past week, 187 drums of crude reached this port. One prominent refiner retains the formerly general price of 17c. per pound in tanks for chemical pure glycerin.

San Francisco, Nov. 14.—Market activity in fishliver oils here this week was quiet due to lack of offerings. All potencies are in good demand.

Menthol—There seems to be a real firming of the price position at the source but that on spot shows theoretical firming, if any. The supply continues to increase and during the past week 452 cases reached here from Santos, Brazil. Market activity was inconsequential and conditions favored buyers with firm orders to place.

Milk Powder—The supply situation has tightened severely because of the sharp drop in milk production—a seasonal development that is possibly more severe this year than usual.

Quicksilver—The spot market advanced to $110 to $112 per flask. But still higher prices would not surprise if the matter of supply does not improve substantially in the nearby future. While export interest was absent last week, demand for domestic account was filled with difficulty out of spot stocks, and holdings in reserve by the domestic mines are inconsequential.

San Francisco, Nov. 14.—The quicksilver market here this week was steady, with little spot metal being offered. Metal was quoted between $106 and $109 per flask, f.o.b. this city.

Quinine — Reports reaching the Board of the Netherlands Indies state that, according to the underground, the Japanese maintained all quinine-producing equipment not destroyed by the Dutch early in 1942. The production facilities were kept at work to supply the Japs, whom malaria attacked just as hard as it did the troops of the United Nations—particularly the Yanks. The Dutch and Indonesians went without quinine because the Japs took it all.

New equipment for processing cinchona bark, including twenty-five huge drying ovens capable of producing 2,200 tons of dried bark per oven per day, is being bought in the United States as fast as possible, according to British reports. This should mean more quinine, but the more distant view on production is not encouraging. It seems that cinchona trees mature in cycles and since the Japs planted no trees, a shortage in bark and quinine can well develop in about 15 years—pending which development maturing trees are expected to prevent acute shortage of bark or quinine.

Saccharin—Not many have material for export and, occasionally, there are export inquiries in which the producers do not show major interest. Secondhands do have moderate supplies at times but the price does not compare with that of the makers.

CONTRIBUTE TO WAR FUND

Hutchins & Graves Ad Agency Is Formed

L. W. Hutchins, president of Sheldon, Morse, Hutchins & Easton, Inc., and managing director of Safety Research Institute, and Lee Graves, formerly of Compton Advertising, Inc., and Foote, Cone & Belding, have formed a new advertising agency under the name of Hutchins & Graves, Inc., with offices at 420 Lexington avenue, New York. The new company takes over the advertising accounts formerly handled by Sheldon, Morse, Hutchins & Easton, Inc., which continues as a public relations and publicity agency only. Hutchins & Graves, Inc., will handle all types of advertising, including radio.

Cochrane Corp. Acquired By Group of Employees

Cochrane Corporation, manufacturer of steam power plant and industrial equipment, Philadelphia, has been acquired by a group of men long associated with the company in the engineering and sales divisions. The new corporation will be managed and operated by its owners. T. E. McBride was elected president and the following named vice-presidents:—

C. E. Joos, apparatus division; V. A. Rohlin, works manager; A. E. Kittredge, chief engineer, and E. S. Daugherty, heater division.

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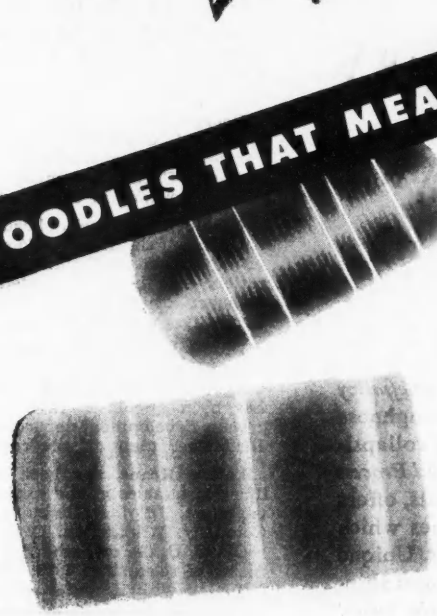
DOODLES THAT MEAN UNIFORM VITAMIN D



THESE are doodles which a scientist in a General Mills laboratory fondly imagines to be spectrograms of pure crystalline ergosterol—the basic ingredient in the manufacture of Vitamin D (A.R.P.I. Process).

As a matter of fact, spectrograms are made to "fingerprint" the pure ergosterol in order to have greater control over the uniformity of Vitamin D (A.R.P.I. Process). Spectroanalysis, careful controls in manufacturing and a series of bio-assays in recognized independent laboratories make it possible to offer you a Vitamin D concentrate that is absolutely uniform in potency.

Because of its uniform potency, Vitamin D (A.R.P.I. Process) is ideal for incorporation in high-quality medicinal products, either fluid, capsulated or tablets; for compounding with other Vitamin concentrates or medicines; for use wherever a stable, accurate-potency Vitamin D is indicated.

If you are interested in the possibilities of using Vitamin D (A.R.P.I. Process) in your particular product, we invite you to write for more complete information.

General Mills, Inc. *Special Commodities Division*

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Recent Imports

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New York Imports

ASBESTOS—5,263 bgs, 526,300 lbs, Johns Manville Corp

BABASSU KERNELS—13,321 bgs, 1,332,100 lbs, General Foods Corp
500 bgs, 50,000 lbs, Spencer Kellogg & Sons

BEEF EXTRACT—858 cs, Armour & Co
223 cs, International Commercial Co

BISMUTH BARS—117 cs, Cerro de Pasco Copper Co

BRISTLES, HOG—17 cs, Corn Exchange Bank & Trust Co
72 cs, Liberty Title & Trust Co
242 cs

BONES, KNUCKLES—2,081 bgs, Chas Hollinshed & Co

CAFFEINE, ANHYDROUS—100 bbls, Lo Curto & Funk

CAROB BEANS—320 bgs, R J Prentiss & Co
80 bgs, Wm M Allison & Co
1,000 bgs, M F Neal Co
261 bgs, S B Penick & Co
150 bgs, Gale T German

CASCARILLA BARK—518 bgs, United States Commercial Co

CASHEW KERNELS—250 cs, 12,500 lbs, Irvington Varnish & Insulator Co
52 bgs, 2,600 lbs, Irvington Varnish & Insulator Co
1,375 cs, 68,750 lbs, General Foods Corp

CASTOR BEANS—21,337 bgs, 3,200,550 lbs, Spencer Kellogg & Sons
15,243 bgs, 2,286,450 lbs, Baker Castor Oil Co

CHEMICALS—3 dms, Amer Roland Corp

COCOA BEANS—64 bgs, 12,800 lbs, General Cocoa Co
500 bgs, 100,000 lbs, Middleton & Co
12,000 bgs, 2,400,000 lbs, Wessel, Kulenkampf & Co
10,000 bgs, 2,000,000 lbs, Nieschlag & Co
8,000 bgs, 1,600,000 lbs, W R Grace & Co
8,000 bgs, 1,600,000 lbs, J Aron & Co
8,000 bgs, 1,600,000 lbs, Rockwood & Co
7,000 bgs, 1,400,000 lbs, Carl M Loeb-Rhoades Co
1,500 bgs, 300,000 lbs, Wood & Selick
10,000 bgs, 2,000,000 lbs, Kennedy, Butcher & Co
10,000 bgs, 2,000,000 lbs, Wessel, Duval & Co
500 bgs, 100,000 lbs, Ernest Adler & Co
500 bgs, 100,000 lbs, Little & Christman
500 bgs, 100,000 lbs, M Golodetz & Co

COTTON LINTERS—482 bls, New England Waste Co
2,219 bls, Green Textile Co
264 bls, Kauders, Steuber Co

MOTES—526 bls, Kauders, Steuber Co
1,557 bls, Green Textile Co

CUMIN SEED—200 bgs, 26,000 lbs, D Hecht & Co
40 bgs, 5,200 lbs, L & R Millen

EBONITE WASTE—2,333 bgs, National City Bank
1,000 bgs

FLAXSEED—18,000,454 lbs., 15,100 bgs, U S Commercial Co

GLUESTOCK—22 bls, H Remis & Co
17 bls, First National Bank of Boston

GLYCERIN—187 dms, Exchange National Bank & Trust Co

GUM, COPAL—20 bgs, Industrial Resh. Corp

KARAYA—600 bgs, Frank-Vliet Co, Inc

LOCUST BEAN—95 bgs, Wm M Allison & Co
114 bgs, T M Duche & Sons
103 bgs, Stein, Hall & Co

GYPSUM ROCK—2,307 tons, National Gypsum Co

HAIR, CATTLE EAR—14 bls, Armour & Co

CATTLE TAIL—29 bls, Wilson & Co
8 bls, N Wagman Co
28 bls, Armour & Co

GOAT—30 bls, Alexander Murphy & Co
74 bls, N Wagman Co
33 bls, Arms Textile Mfg Co
4 bls

HORSE TAIL—80 cs, Liberty Title Trust Co
23 cs

ILMENITE SAND—1,000,000 lbs, National Lead Co

LIME JUICE, RAW—261 cks, India Supply Mission

MANIOC STARCH—10,268 bgs, United States Commercial Co

MENTHOL—50 cs, Parsons & Whittemore
70 cs, Vick Chemical Co
100 cs, Paul A Dunkel & Co
125 cs, Geismar & Co
167 cs, C L Huisking & Co

OIL, CASTOR—250 dms, East Asiatic Co
492 dms, Bate Robinson Ltd

COPAIBA—29 cs, S B Penick & Co

CORNMINT—7 cs, Geismar & Co

GARLIC—5 cs, General Industrial Supply Corp

GUAIACWOOD—25 cs, Magnus, Mabee & Reynard
47 cs, Norda Essential Oil & Chemical Co

LIME, DISTILLED—48 cs, Barclay Bank

LIME, EXPRESSED—3 cs, J W Lyon & Co

OITICICA—348 dms, Murray Oil Product Co
112 dms, Pacific Vegetable Oil Co

ORANGE—250 cs, Kachurin Drug Co

PETITGRAIN—16 dms, Bunge Corp
11 dms, Corn Exchange Bank & Trust Co
11 dms, Albert Verley
20 dms, Norda Essential Oil & Chemical Co
11 dms, Roure Dupont, Inc

ROSEWOOD—10 dms, Astoria Importing & Mfg Co

SHARK LIVER—41 dms, Wilbur, Ellis & Co
88 dms, Technical Fisheries Co

YLANG YLANG—6 dms, Fritzsche Bros
11 dms, Norda Essential Oil & Chemical Co
1 dm, J Manheimer, Inc

OX GALLS CONC—7 trcs, Eli Lilly & Co

PAPAIN—105 cs, C L Huisking & Co

QUEBRACHO EXTRACT—8,861 bgs, 1,063,320 lbs, American Tanners, Ltd

RESIN—266 bgs, Herman Weber & Co

ROOT, MEDICINAL—37 bls, Merck & Co

SAGE LEAVES—20 bls, S B Penick & Co
20 bls, A G Dunn
97 bls, Gale T German
31 bls, Becker Mayer Seed Co
49 bls, Kachurin Drug Co

TANKAGE, LIVER—497 bgs, H J Baker & Bro

TANNING BARK—6 bls, Littlejohn & Co

TAPIOCA FLOUR—5,205 bgs, 728,700 lbs, United States Commercial Co
4,301 bgs, 602,140 lbs, Morningstar, Nicol, Inc
2,000 bgs, 280,000 lbs, Stein, Hall & Co
1,000 bgs, 140,000 lbs

TUCUM KERNELS—933 bgs, 93,300 lbs, Durkee Famous Foods
923 bgs, 92,300 lbs, J H Redding

UMBER, BURNT—115 bgs, C B Chrystal & Co
23 bgs, Fezandie & Sperle
7 cks, Fezandie & Sperle
69 bgs, Theo H Deutz

CRUDE—661 bgs, J Lee Smith & Co

DRY—2,111 bgs, C K Williams & Co
2,167 bgs, Reichard Coulston, Inc

RAW—16 bgs, Fezandie & Sperrie

WAX, BERRY—40 bgs, Strohmeyer & Arpe Co

CARNAUBA—100 bgs, Philadelphia National Bank
70 bgs, Bank of Toronto
164 bgs, Wm Diehl & Co
63 bgs, Wessel, Duval & Co

Boxcar Demurrage

—Continued from page 5

15, 1945, and expires December 15, 1945.

The demurrage order provides that all boxcars, whether or not subject to an "average agreement," are subject to the following demurrage charges on detention in loading or unloading: —$2.20 per car per day for the first two days; $5.50 per car per day for the third day; $11.00 per car per day for the fourth day and $16.50 per car per day for each succeeding day. The order does not apply to import, export, coastwise or intercoastal traffic.

The second order, ICC Service Order No. 368, was issued, it was explained, because boxcars containing freight are being held by railroads for an unreasonable length of time, and the delay in unloading such cars is aggravating the existing shortage of boxcars, calling for immediate emergency action. Under the order, at all points, including ports, where the carrier has the duty, responsibility or obligation to unload freight, the railroad is required to unload any such freight held in boxcars within 10 days of the car's arrival. This order applies to any boxcar held short of such unloading points, and the 10-day period begins after arrival at such holding points.

Service Order 368 became effective at 10:01 a.m., November 15, 1945, and expires December 15, 1945. This order is subject to special or general permits that may be issued by the director of the ICC Bureau of Service.

Trade Briefs

Albert Clodfelter, of U.S. Industrial Chemicals, Inc., New York, has been elected and installed as president of the Metropolitan Traffic Association.

George W. Flanagan, formerly in charge of 'Geon' latex development, has been made manager of the B. F. Goodrich Chemical Company development laboratory in Cleveland.

Harold A. Kernell, head of the American Printing Ink Company, division of General Printing Ink Corporation, has been appointed general manager of the Eagle Printing Ink Company.

Dr. John Charles Moessinger, a chemist with General Aniline & Film Corporation, New York, since 1921, has been appointed manager of the process development department at the Rensselaer plant of the company.

LeRoy Keane has been appointed director of sales of the explosives department, of the Hercules Powder Company, Wilmington, Del. He succeeds C. C. Gerow, who has been director of sales since 1919. Mr. Keane has been with Hercules since 1918.

AGING IS NOT A FACTOR IN THE PROCESSING OF TUBE METAL..

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LIKE the steel used in the finest blades, *Sheffalloy* metal is tempered to a degree of pliable toughness unapproached, we believe, in the history of collapsible tube manufacture! This exclusive *Sheffield Process* of mixing, melting and tempering the metals, offers an important plus value in *Sheffalloy* Tubes which gives greater protection at no higher cost. Unique also is our time-saving service of making and shipping fine folding cartons *together with the tubes!* Tough, *Sheffalloy* Sheffield Process Tubes are made in all standard sizes and openings. Decorations are produced in clear, crisp colors, by skilled craftsmen. Please call our nearest office for cooperation.

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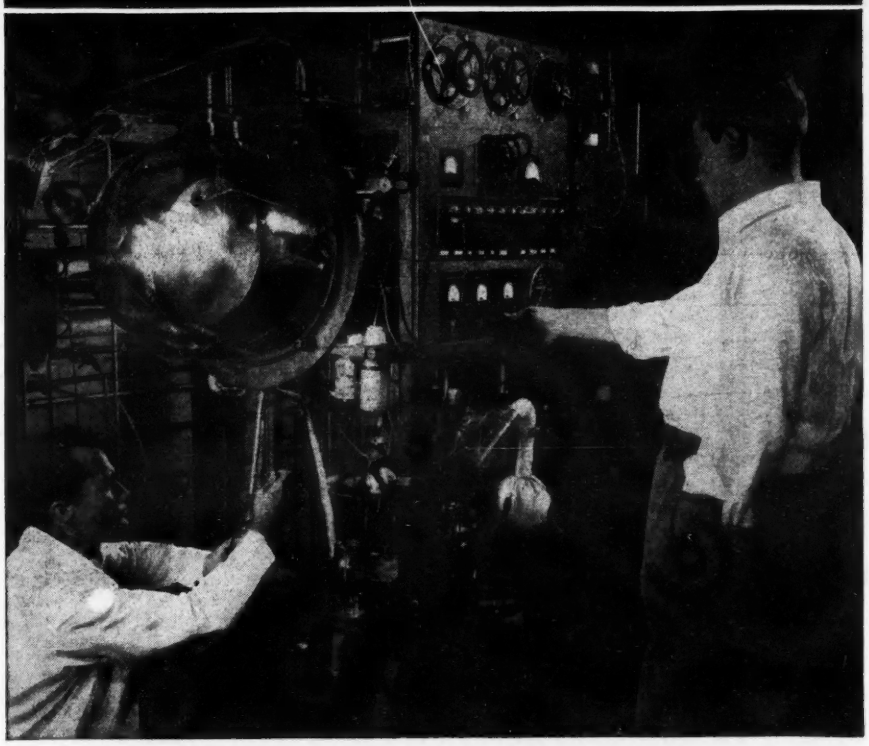
THE WHY OF DPI QUALITY



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Our research people recognize a truism which means continuous hard work: a good process can be improved, with consequent improvement in the product.

We know, and our customers know, that the molecular distillation process produces notably superior concentrates of vitamin A —bland, stable and definite in potencies. It is our ambition to improve upon the best. For that reason, research continues here to find, wherever possible, every slightest improvement in equipment and process which will improve the product.

The end result is customer satisfaction with DPI Distilled Concentrates of Vitamin A. We should like to include you among our satisfied customers.

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CWS Research Head

Brig. Gen. Alden H. Waitt has been appointed director of research and development for the Chemical Warfare Service and has been awarded the Distinguished Service Medal and the Legion of Merit for his work in preparing the United States to meet gas warfare offensively and defensively.

Pharmacists Wanted

Pharmacists are needed in Federal hospitals and dispensaries, the Civil Service Commission has announced. Most positions are located in Veterans Administration and Public Health Service hospitals throughout the country. The entrance salaries are $2,320 and $2,980 a year. Additional compensation is given for all authorized time worked over 40 hours a week.

Interested persons should secure a copy of Announcement No. 404 and application forms at any first or second-class post office, from the commission's regional offices, or from the U. S. Civil Service Commission, Washington 25, D. C. Applications should be filed with the commission's office in Washington not later than December 3, 1945.

Squibb & Son to Increase Authorized Common Stock

E. R. Squibb & Son, pharmaceutical manufacturer, New York, has called a special stockholders' meeting for December 27 to consider a proposed increase in authorized common stock to 2,000,000 shares at $1 par value.

If approved, the company would issue three shares of the new common stock in exchange for each of the present no-par shares. After such an exchange there would be approximately 1,515,000 shares of stock outstanding.

Acheson Colloids Names Sales Representative

Pennant Oil & Grease Company, Los Angeles, with branch offices in San Francisco and Seattle, has just been appointed Far-Western sales agent for Acheson Colloids Corporation, Port Huron, Mich., according to Morris W. Reynolds, Acheson's sales manager.

Buffalo University Names Chemistry Dep't Head

The University of Buffalo has appointed Milton Woodburn, member of the university's faculty for twenty-two years, head of the chemistry department.

Trade Briefs

William G. Ohme has been named manager of the St. Louis office of William R. Warner & Co., pharmaceutical manufacturer, New York.

Continental Can Company, 3820 Union Pacific avenue, Los Angeles, recently was given WPB permission to put up a warehouse at a cost of $99,500.

Myron C. Smith, formerly with Mennen Company, Newark, has joined the staff of Leon Associates, broker in oils, waxes and raw products.

Harry J. Benson has been made sales promotion manager for the Eastern region of Libbey-Owens-Ford Glass Company, New York. He has been with the company since 1933.

Northwestern Yeast Buys Fearn Laboratories

The Northwestern Yeast Company has acquired Fearn Laboratories, Inc., Chicago. The Fearn firm manufacturers curing and seasoning compounds for the meat packing industry and fine food specialties for the institutional field.

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Squibb Wins Accident Prevention Flag

The New Brunswick Biological and Chemical Laboratories of E. R. Squibb & Sons, New Brunswick, has been awarded the Liberty Mutual Insurance Company's Accident Prevention Flag in recognition of its outstanding achievement in preventing accidents at the plant.

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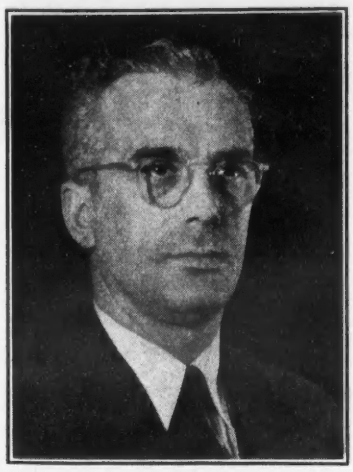

William J. Boegly has been appointed vice-president in charge of plant operations for Frederick Stearns & Co., Division of Sterling Drug, Inc., Detroit, Mich.

Union Bag Names Daniels to Executive Post

H. S. Daniels has been elected executive vice-chairman of the Union Bag & Paper Corporation to succeed H. P. Carruth, resigned. Also elected vice-presidents are G. E. W. Nicholson, and Donald J. Hardenbrook. Mr. Nicholson, formerly resident manager of the Savannah, Ga., plant, will direct manufacturing, while Mr. Hardenbrook, formerly assistant to the president, will be in charge of industrial and public relations and of woodlands. Mr. Daniels formerly was in charge of sales. Mr. Carruth will continue with the company in an advisory capacity as a director.

Chemical, Oil, Drug Wages Increased for Puerto Rico

OPD Washington Bureau

Approval has been given by L. Metcalf Walling, administrator of the Wage and Hour Division, to recommendations of Special Industry Committee No. 4 for Puerto Rico establishing a minimum wage rate of 40 cents an hour for workers in Puerto Rico in the general division of the chemical, petroleum, and related products industries, and 32 cents an hour for those engaged in the production of drugs, medicine, and toilet preparations.

The order became effective October 24.

Chicago Drug Ass'n Christmas Party December 20

Chicago Drug and Chemical Association will hold its annual Christmas party at the Drake hotel, December 20. Reservations are in charge of Dale Ruedig, of Eli Lilly & Co., 164 North Wacker drive, Chcago, Ill.

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In Merck Post

Dr. B. L. Clarke, formerly director of the analytical department, has been made director of chemical control for Merck & Co.

Haines Joins McK.& R. Export Division

Ray C. Haines has joined the sales staff of the Export Division of McKesson & Robbins, Inc. Mr. Haines was formerly sales representative for Sharp & Dohme in Cuba, Argentina and Brazil. In his new work he will be responsible for developing sales of McKesson & Robbins' own manufactured products in the Latin-American market. He was at one time connected with the company's manufacturing division at Bridgeport, Conn.

Photo Products Division Head Named by du Pont

K. T. Molin, assistant manager of the defender division, has been appointed director of sales of the photo products department of E. I. du Pont de Nemours & Co., Wilmington, Del. He fills a vacancy caused by the death of L. L. Allison. L. R. Moore, control manager of the defender division, has been made assistant manager of the division. C. Clifford Lyon succeeds Mr. Moore.

Bristol-Myers Plans Stock Split-Up

Directors of Bristol-Myers Company, pharmaceutical manufacturers, New York, at a meeting held in New York last week, proposed a two-for-one split-up of the company's common stock. A special meeting of stockholders has been called for December 18, 1945, at Wilmington, Del., to vote on the directors' recommendation. Under the proposal each of the 700,280 shares of the company, par value $5, would be changed into two shares of common stock of $2.50 par value each.

Sonneborn Names 2 to Staff

L. Sonneborn Sons, Inc. has appointed Lieut. Charles Fickinger, until recently in the Army, and Edwin P. Johnstone, research chemist, to its field technical staff of the textile chemicals division.

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Textile and Leather Chemicals

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
303.0	303.0	300.5	283.2

For Current Prices see page 9.

Slight increase in the production of corn dextrin and starch was the bright spot in the market during the week. Processors received increased supplies of the grain, and though mills were still operating on reduced schedules, prospects for steady improvement were brighter than for some time past. Reports from West also reported some easing in the boxcar situation and a larger number of cars were available for the moving of the new crop. The corn crop was estimated at 3,073,966,000 bushels as of November 1, or about 4,000,000 bushels less than was forecast a month ago, according to the Department of Agriculture. Production last year reached a record of 3,228,361,000 bushels. Ten-year output averaged 2,433,060,000 bushels. The output of potato starch in the East has been curtailed by the slow delivery of culls to mills in Maine, while the production in Idaho was reported close to capacity. Deliveries of this material were in excellent request and the demand continued to exceed available supplies. Advices from Brazil indicated that last season's crop has been cleaned up. Heavy imports during the week were consigned against prior contracts and additional quantities were due to arrive shortly.

While trading in tanstuffs lacked improvement, tanners were showing more inquiry for replacements. Trading was expected to improve some time next month for requirements during the first quarter of next year. Advices from primary markets state that prices of all tanstuffs were well maintained at current levels, as the result of good demand for European account which has offset the lack of purchasing of late by American importers.

Chemicals

Alumina Acetate — Conditions remain steady, although business was moderate and mainly for prompt requirements. Prices were maintained at former levels.

Bichromates — Consumers were showing an active interest for next year's requirements and a good volume of business was reported at prevailing ceilings. A steady movement continued against former orders. Market was strong at ceilings.

Potash Prussiates—This market was firm under a good demand. Consumers were taking moderate quantities on previous orders. Quotations were firm at prevailing levels.

Soda Acetate—Export inquiry continued keen. Business recently placed for shipment abroad absorbed the slack in domestic trading occasioned by strikes in consuming industries. Prices were well held.

Soda Hydrosulphite—Trading was moderate during the week. Supplies were not liberal, but adequate to cover demand. Prices were unchanged.

Sulphonated Oils—Tightness in oils and fats continued to keep the market in a strong position. Demand was fairly active, but offerings were light, owing to the difficulty of obtaining basic oils. Prices were unchanged and firm.

Dyestuffs

Annatto—Hand to mouth buying was noted during the week. Supplies were light and held at former quotations.

Cochineal — Supplies were limited on spot. Market was steady and reflected the high cost of replacements. Trading was confined to small lots.

Madder—Routine demand was reported during the week. Prices were unchanged and fairly steady.

Sizing Materials

Albumen Blood — Withdrawals against former contracts continued in good volume. New business was moderate. Supplies were adequate to cover requirements. Quotations were firm. Dried soluble blood was in good demand.

Albumen Egg—While inquiry was keen, trading was limited because of scarcity of supplies. Market was firm at the higher ceilings effective since the first of the month. Egg supplies will be plentiful in 1946 and prices substantially lower than in 1945, according to the Department of Agriculture. Civilian egg consumption in 1946 will undoubtedly fall below 1945 and only slight decreases in production are in sight for next year. Under the Steagall amendment, the Department of Agriculture is committed to support egg prices at 90 percent of parity for two years after the end of hostilities.

Dextrin Corn—Some improvement in corn receipts at mills increased production during the week. This has stepped up the delivery of dextrin against former orders, but there is still considerable room for improvement.

Egg Yolk—Business was light because of scarcity of supplies. Demand was for moderate quantities and exceeded stocks. Market was firm at ceilings.

Starch Corn—Slight improvement in production was noted during the week, owing to the better movement of corn to mills. Prospects for further improvement were bright, with the increase in box cars for the delivery of the grain. Demand was keen.

Starch Potato — Demand continued excellent and additional business was booked for nearby and forward shipment at ceilings. Production in Maine was curtailed by the difficulty of mills to obtain culls, while output in Idaho was reported of good volume. Deliveries against contracts were in active request.

Tapioca Flour—Production for this season has been cleaned up in Brazil and the market was entirely nominal. Arrivals totaled 22,775 bags during the week for delivery against previous orders. Additional quantities were due to arrive on outstanding contracts.

Tanning Materials

Chestnut Extract—A good call was reported for delivery against former orders. Market was steady and unchanged at ceilings.

Divi-Divi — Business was reported quiet, though buying interest was improved during the week. Primary markets continued firm and shipments were well held at current levels.

Hematine Extract—Buying interest was spotty, though the call against former contracts was reported fairly active. Market was firm at ceilings.

Mangrove Bark—Advices from producing centers indicated a scarcity of available supplies and shipments firmly held at current levels. Inquiry for replacements was more active, but actual trading was quiet.

Myrobalans—Firm conditions were reported at primary markets owing to recent buying for European account. Offerings for shipments were maintained at former prices. Tanners showed little interest in replacements as inventories were replenished by liberal receipts during the past two weeks.

Quebracho Extract—This was unchanged and firm at ceilings. Inquiry for prompt shipment has slackened as recent arrivals have appreciably increased stocks. Tanners, however, showed more interest in next year's requirements. Imports totaled 8,860 bags during the week and were consigned on previous contracts.

Wattle Bark—While business was spotty, the market was firm under limited offerings of bark and extract for shipment. This seasons' production was reduced by drouth last summer, according to recent advices from Africa. Quotations were well maintained at ceilings.

For Late Market Developments, See Page 4

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Botanical Drugs, Spices, Gums

The undercurrent in the botanical market may be gentle but it is still setting prices toward higher levels. Last week, numerous condimental items were swept upward and prices for a few drugs reached higher ground by the end of the period. Removal of price controls has permitted dealers increasingly to reflect actual costs in their current quotations, and such costs certainly were on the up side during the past collection season.

Damiana leaves were returned to a firm-offer position after months of occupying price levels purely nominal in the absence of stocks. Mexican asked prices can now be paid by dealers and, being paid, such prices could mean nothing but extremely high spot levels once firm spot offerings became possible.

Lobelia herb has received far more interest on the part of buyers than had been the case until recently. The interest continued last week and caused still higher prices to develop. Papain plants in the primary market approach the dormant season while politics seeth and fighting prevails. Combined, the two elements have sent papain prices kiting at the source. The result locally last week was sharp price advances that in some cases amounted to withdrawal from the market.

Rhubarb root had troubles that sent prices upward. The troubles were twofold. First, recent arrivals from India have been liberally rejected by officialdom. Second, offerings from India have decreased in parallel with advancing prices. There is nothing in sight to loosen the tightly bound market.

Mustard seed took no back seat for any other condimental. Swedes, Danes, South Americans, Britishers and Hollanders all wanted some yellow seed, and the demand was almost more than the State of Montana can supply. It appears that there soon will be nothing left but Montana oriental type seed, which, ipso facto, will have to be good enough for mere Americans. Caraway seed from California and Canada were cheaper without straining international relations. African ginger shook off a fraction of its recent value, but the government in Sierre Leone did not fall. And India celery seed spot prices continued toward the valley of values, while former sellers continued to recall that in a distant past they used to sell seed grown in France.

Balsams

Copaiba—Demand revealed the low level of spot supplies and in most quarters the market was called nominal because no stocks were in hand. It is a matter of poor transport facilities.

Fir—Although some recessing in demand has taken place, prices remain exceptionally firm in all quarters able to supply spot deliveries. Canadian balsam was especially steady.

Barks

Cinchona — The Dutch authorities are reported as buying as fast as possible a number of drying ovens for use in Java in the curing of cinchona bark. The ovens have a capacity of 2,200 tons per oven per day. News from Java last week suggested that although the native Indonesians were still fighting the British, and although some 6,000 Dutch troops are about to be landed to assist in suppression of the rebellion, a change in the native cabinet seems directed toward negotiations from which it is hoped peace will emerge.

Elm—Winter demand for the bark in bundles has been very good and reveals an exceptional degree of price firmness and absence of much local competition between dealers.

Wild Cherry.—The supply situation is truly tight and some feel that all of the needs of Winter cannot be supplied. The reserves are truly low—not because local dealers failed to use every possible method to induce gathering last Summer, but because workers just would not work.

Beans

Tonka—The movement was very steady, sufficiently so to create added firmness to the prevailing schedule of prices.

Vanilla—Demand was better than the general situation as to supplies. Undertones showed strength and the market lacked much in the way of competition between dealers. New crops will have to be marketed before dealers can take further steps back toward the creation here of normal reserves.

Berries

Juniper — Wide price-range and broad variations in quality continued to prevail locally where demand for superior grades was said to be good from consumers other than the liquor interests.

Saw Palmetto—Manufacturing consumers were in the market for comparatively small quantities of this not overly plentiful seed. The undertone in prices was considerably firmer.

Flowers

Chamomile—The dealer who first offered Roman chamomile for future arrival at $1.45 to $1.50 per pound gave notice last wek of an error in calculations which resulted in the above price being entirely out of line with costs. The rectified figure is **$1.75 to $1.85 per pound.**

Clover—The supply is small enough to make exhaustion of stocks a real possibility. None of the dealers hold more than moderate quantities and they were all obtained at comparatively high production costs.

Malva—Blue flowers are still in a to-arrive position and the price is exceptionally firm at $1.30 to $1.35 per pound. Some goods have been bought on that basis.

Saffron — Spanish flowers were quoted lowest at $35 per pound—which is in marked contrast with an actual purchase of 25 pounds for which the buyer paid $38. This is a twisty situation that tends to become knotty so far as understanding just what the market actually is.

Gums

Camphor—Distributors report inability to get all the tablet camphor they could sell on a prompt delivery basis. However, such a condition is nothing new in camphor experience and it could be that a steady supply of tablets will not be available until natural camphor is once more imported from Formosa—which is now Chinese Taiwan.

Locust Bean—Arrivals from Cyprus totaled 312 bags which came on a fairly steady market where prices and

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

Damiana leaves, 27c. per lb.
Lobelia herb, 2c. per lb.
Papain, 25c. per lb.
Rhubarb, whole, 8c. per lb.
powdered, 6c. per lb.

Other Articles

Anise, Mexican, 1c. per lb.
Clove, Zanzibar, ¼c. per lb.
Coriander seed, Argentine, ½c. per lb.
Morocco, ½c. per lb.
Cumin seed, Indian, 2½c. per lb.
Laurel leaves, Portuguese, ½c. per lb.
Mustard seed, Calif. brown, ½c. per lb.
Montana, yellow, 7½c. per lb.
Pimento, Jamaica, ½c. per lb.
Sage, Greek, 12c. per lb.

Prices Reduced

Drugs

Ginger root, African, ¼c. per lb.
Gum, myrrh, 2c. per lb.
Rhatany root, 1c. per lb.

Other Articles

Caraway seed, California, Dutch type, 2c. per lb.
Canadian, 6c. per lb.
Celery seed, India, ¼c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
249.6	248.8	246.8	244.5

For Current Prices see page 9.

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demand were well maintained, according to most sellers.

Myrrh—Quotations were slightly lower at 48c. to 50c. per pound but no truly basic weakness prevailed since the primary market is being well maintained and some advices say it may rise.

Herbs and Leaves

Damiana—From a strictly nominal price position this article moved to higher levels at 45c. to 46c. per pound, upon which basis firm offerings were being made last week.

Laurel—Portuguese leaves were quoted fractionally higher at 14¾c. to 15¼c. per pound but quotations on other varieties remained free from change.

Lobelia — Demand has revived sharply and resulted in prices being advanced to the basis of 77c. to 80c. per pound by the close of last week.

Sage—Greek sage prices shot sharply higher to 27c. to 29c. per pound with business all but wiping out the available supply. An arrival of 217 bales from Cyprus was noted last week.

Senna—Showing real strength in India where prices have climbed as shipments decreased. The local market gained real strength during the past week and the price tendency was up.

Miscellaneous

Balm of Gilead—Dealers cannot buy much more merchandise in the primary market. The demand has been seasonably active of late and the outlook is for continued shrinkage of stocks.

Cantharides—The market remains bare of any supply of flies—either Chinese or Russian. Mayhap if need pressed hard enough, someone will dig up the Potatoe Flies listed in the first United States Pharmacopoeia. 'Tis said they did a nice job of blistering.

Papain—This is an item to be reckoned with just now. The turmoil in the primary market in the Far East has turned prices sharply upward and some spot quarters have jumped values to as high as $4.25 per pound for spot goods. Others say around $3.75 to $4 might be done. If the political pot boils in the Far East, the plants from which papain is obtained are close to their dormant season. Fighting, on one hand, and botanical sleep on the other make for a strong market at this time. Last week, 105 cases arrived here.

St. John's Bread—Imports totaled 241 bags without breaking prices prevailing for spot goods.

Roots

Blood—Good demand was entirely seasonal and consumers found it not easy to secure deliveries in volume. The undertone strained hard toward greatly added strength.

Ipecac—Arrivals of Brazilian root consigned direct to manufacturing consumers are evidence of the fact that private import has returned to this item. The prices in Brazil are more than 100 percent above normal. And by last advices, Brazilian plans call for an embargo on further exports beginning in 1946.

Rhatany—A slightly more competitive spot market put the price down to 15c. to 16c. per pound without disturbing the usual basic market tranquillity of this item.

Rhubarb—Prices have been advanced at the source. Arrivals here have been rejected by officialdom. The lessened import and the higher cost in India brought whole root to the higher level of 43c. to 45c. per pound last week. Powder went to 46c. to 48c.

Seeds

Anise—More export inquiries were in the market. Prices on Mexican seed rose to 31c. to 32c. per pound. Resumption of importation of star anise from China and Indo-China seems remote.

Caraway—New crop Dutch-type California seed was lower at 72c. to 73c. per pound. Canadian seed dropped to 70c. to 72c.

Celery—Values softened further, Indian seed dropping to 21¾c. to 22¼c. per pound last week.

Coriander—Morocco seed advanced to 10c. to 10½c. per pound and seed from Argentina was higher at 9¾c. to 10¼c.

Cumin—An arrival of 240 bags from

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Dec. 1820.

WAREHOUSE AND MILLS
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CRUDE BOTANICAL DRUGS
TRADE *From Forty Nations* MARK

Cyprus was reported. Indian seed was considerably higher at 36c. to 37c., and was quoted spot last week instead of on a future arrival basis.

Flea—Demand for blonde seed was good and replacement chances were considered to be poor. Some on spot have gone to 22c. per pound and nothing was available under 18½c.

Larkspur — A sharply weakened market prevailed and spot goods were offered as low as $1.10 to $1.15 per pound. Competition was such as to suggest further shading at times.

Mustard—Buyers served up a nice mess of orders last week without getting a deal of mustard seed. Even South America has been buying here. Prices advanced and the California brown closed the week at 13c. to 13½c. per pound; yellow, 19c., nominal; Montana, oriental, 9¼c. to 9¾c.; yellow, 23c. to 23½c.

Spices

Clove—Zanzibar spice was fractionally higher at 17¼c. to 17¾c. per pound.

Ginger—African root came to life when it dropped fractionally to 15¼c. to 15¾c. per pound.

Pimento—Spot seed from Jamaica has been advanced to 23c. to 23½c. per pound.

Markets at Other Centers

Los Angeles, Nov. 14.—Botanical marget active but stocks are low. Demand for practically all drugs and spices exceeds the supply. Prices unchanged. Prices are:

Marjoram, French type—35c. per pound in dried form.

Sage, Dalmation type—40c. per pound for lots said to contain less than 12 percent stems with the understanding that if the sage exceeds 12 percent stems the buyer will be credited with the difference. Sage guaranteed to contain less than 12 percent stems 65c. per pound. Leucophylla 32c. per pound.

Savory—French type, 75c. per pound.

Sweet Basil—90c. per pound for lots guaranteed to contain less than 12 percent stems.

Thyme—French type, 90c. per pound in dried and clean form.

Tropical Crops Laboratory Proposed for Florida

OPD Washington Bureau

A bill (H. R. 4573) authorizing the establishment by the Department of Agriculture of a research laboratory in Florida, at a cost not exceeding $2,000,000, to carry on studies relating to production, utilization, and marketing of tropical and subtropical crops and byproducts, has been introduced by Representative Joe Hendricks of Florida.

Included among the work would be research work to improve the nutritive values of such crops and byproducts, and studies of insects, diseases, and pests affecting such crops and byproducts.

Maas Reopens Office For Holland Accounts

Dr. J. Maas, Stamford, Conn., has resumed operations as procurement agent in America for exports to the Netherlands East Indies on behalf and for the account of the N. V. Chemicalienhandel Rathkamp & Co. Export to the Netherlands on behalf and for the account of the N. V. Holland Indie Agenturen Mij., H.I.A.M.

McCormick Overseas Vice-President Named

Brigadier General Thomas B. Catron, formerly Chief of Staff of the Third Service Command, U. S. Army, is now associated with McCormick & Co., food products and insecticide manufacturer, Baltimore, as vice-president of McCormick Overseas Trading, Inc.

Glass Container Plant To Be Built in Los Angeles

Ball Brothers, Muncie, Ind., plan the erection of a $3,500,000 factory for production of glass containers on a thirty acre site in Los Angeles. Hugh Crawford is the Pacific coast manager for the company, which operates eight plants in the East and Midwest.

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Essential Oils, Other Aromatics

Demand for essential oils and aromatic chemicals continued good last week. Spot stocks of many essential oils remain scarce, however, due to shipping difficulties as well as political and economic developments at primary centers. Arrivals from the Far East since the end of the war have been disappointing, and the lack of definite word regarding conditions, especially in the Dutch East Indies, added to the confusion of buyers. The outlook for Javanese products became more clouded by the outbreak of hostilities between the Dutch and Indonesians.

Production of citronellol, citronellal, hydroxycitronellol, geranyl acetate and gerniol have been retarded by the lack of essential oils from primary centers. Citronella, lemongrass and vetiver are not coming in sufficient quantities since the end of the war to permit any worthwhile production. Development of grass oil plantations, particularly in Guatemala and Brazil, were looked for to partially solve the industrys' requirements of essential oils distilled from tropical grasses.

California lemon and sweet orange oils were in short supply because of labor trouble and the fact that fruit for processing has not come up to expectations. Stocks are lower than they have been for some time. Expressed lime oil also continues in short supply, but stocks were adequate to meet current needs of consumers. A total of 250 cases of Brazilian orange oil reached here from South America last week and 48 cases of distilled lime oil arrived from Spain.

Imports of Italian bergamot were expected to reach here next month or the early part of the new year. Transactions will be handled through the FEA, and stocks will be allocated to former importers based on previous commitments. Other arrivals last week included 72 cases of guaiacwood and 69 drums of petitgrain oil, both from Paraguay.

Market Trends

Prices Advanced

Citronella, Ceylon, 10c. per lb.
Coriander, $2.50 per lb.
Geranium, Bourbon, 75c. per lb.
Juniper berry, 25c. per lb.
tar, 5c. per lb.
Lemongrass, 5c. per lb.
Neroli, $50 per lb.
Palmarosa, $1 per lb.
Vetiver, Bourbon, $5 per lb.

Prices Reduced

Bergamot, Italian, 75c. per lb.
Caraway, $1 per lb.
Cinnamon bark, $1.50 per lb.
Ginger, dist., $1 per lb.
Guaiacwood, 75c. per lb.
Lavender, Spike, Spanish, 10c. per lb.
Petitgrain, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
221.7	221.3	220.1	206.2

For Current Prices see page 9.

Essential Oils

Angelica—Spot stocks remain very scarce. Replacements from Europe remain highly uncertain. Prices range anywhere from $125 to $300 per pound for the root; no stocks of seed reported.

Bergamot. — The natural Italian ranged from $8.25 to $10 per pound. Replacements expected to arrive from Italy through FEA around the end of next month or January. Offerings will be allocated to former importers, based on commitments in previous years. The replacement costs will be higher than prevailing spot figures, while direct offering from Sicily were expected to be still higher.

Bois de Rose.—A shipment of ten drums reached here from Brazil last week. Offerings on spot continued negligible, and further shipments from South America were awaited.

Cajeput.—Stocks continued depleted in the absence of any replacement from the Dutch East Indies.

Caraway—Offerings of Dutch and Russian caraway were lower, ranging from $9 to $11.25 per pound. Stocks appeared adequate to meet nearby needs.

Cedarleaf—Quotations held at the ceiling level of $2.50 per pound. Stocks were not plentiful and interest was routine.

Cedarwood—Sellers were not in a position to offer any sizable quantities, and some factors were sold out. Prices remain firm.

Cinnamon Bark—The market was easier, ranging from $32.50 to $45 per pound, according to quality. Stocks of African material appear adequate.

Citronella—In the absence of any Java oil, prices for the Ceylon continued to advance, and offerings on spot ranged from $1.70 to $1.75 per pound.

Clove — The increased production provided sufficient supplies to take care of all demands. Prices were steady at $1.65 to $1.85 per pound.

Coriander—Offerings continued on a limited scale and prices were higher at $27.50 to $35 per pound.

Cumin—While no stocks of the natural were available, the imitation cumin oil was furnishing a satisfactory replacement, and approved by the government for use in foods.

Eucalyptus—No improvement was evident in the tight spot situation prevailing for some time. Prices were very firm.

Geranium—Prices for the Bourbon were higher at $17 to $17.50 per pound. No offerings of Algerian or Russian geranium reported.

Ginger—Distilled ginger was easier, ranging from $12 to $13 per pound. Fair size arrivals of the root from Africa provided sufficient material for distillation purposes.

Guaiacwood—Arrivals from South America, last week, amounted to 72 cases to strengthen the spot position of the market. Prices were from $3.25 to $4 per pound.

Juniper Berry — Prices ranged higher at $6.75 to $7.50 per pound. Offerings were limited in most quarters of the market last week.

Juniper Tar—A firmer tone prevailed, and prices were slightly higher at 80c. to $1 per pound. Offerings remain limited as a rule.

Lavender—Prices for Spanish spike were lower, the pure grade ranged from $2.75 to $3.10 per pound, while the technical was $2.35 to $2.50 per pound. Quotations for the French flower were from $16 to $18 per pound, according to ester content.

Lemon—Offerings of domestic were scarce, the fruit available for processing has not come up to expectations, while labor difficulties were also a factor. Prices rule firm.

Lemongrass—Demand continued to exceed the limited supplies from primary sources, and prices were up slightly at $2.40 to $2.50 per pound.

Lime—Arrivals last week included 48 cases of distilled and 3 cases of expressed from Spain. Supplies of expressed continue scarce, while demand for distilled is keeping pace with available offerings. Prices rule firm.

Neroli—Prices were sharply higher on the limited amount of material offered and ranged anywhere from $250 to $350 per pound.

Nutmeg—The market held firm at the levels reported recently of $4.75 to $5.25 per pound. Spot offerings restricted.

Orange—A shipment of 250 cases of Brazilian orange oil reached here last week. Production of domestic sweet orange was retarded by labor troubles and lower amount of fruit available for processing.

Palmarosa—Replacements from primary sources continued negligible, and limited amount of spot material was offered at $6.50 per pound.

Peppermint—Market stabilized at the higher levels reported preceding period. Preliminary production figures for this year were estimated at 1,609,000 pounds, against 1,226,000 pounds in 1944. The increase was based on the increased acreage and better yield per acre.

Petitgrain — Prices were slightly lower at $2.25 to $2.35 per pound. Arrivals from Paraguay totaled 69 drums last week.

Rose—Some small spot stocks of Bulgarian were quoted in one quarter of the market at $48 to $55 per ounce.

Rosemary—Stocks appear adequate to meet nearby requirements. The

For Late Market Developments, See Page 4

tone of the market was steady, and prices held at previous levels.

Sandalwood—Mysore continued very scarce, and few sellers had any material to offer. Prices as high as $14 per pound were mentioned.

Spearmint—Sellers' ideas continue higher than the ceiling level of $4. Preliminary production figures for 1945 were estimated at 312,000 pounds, compared with 228,000 pounds last year, according to Department of Agriculture.

Thyme — Offerings continued restricted. No further change was disclosed in the prices for the red and white material, but tone remained firm.

Vetiver—Bourbon was quoted higher at $35 to $45 per pound, and offerings were very light. Haitian material offered at $25 per pound.

Wormseed—Fall crop distillation well underway and yield reported of good quality from reduced acreage. Prices firm at $5 to $5.15 per pound.

Aromatic Chemicals

Acetophenone—Supplies were sufficient to meet routine requirements in the market last week. Prices were firm at $1.50 to $1.75 per pound, according to quantity.

Benzyl Compounds—Sellers were in a position to offer most benzyl compounds in moderate quantities, and the prices were unchanged and firm.

Cinnamic Aldehyde—Production was adequate to meet consumers' needs, and interest was steady at the lower prices recorded recently.

Coumarin—Stocks were limited, and shipments this month were on a restricted basis. Prices held firm.

Diphenyl Oxide—Market position continued favorable, and most sellers were in a position to accept all business. Prices remain unchanged and firm.

Heliotropin — Supplies continued tight, and offerings were usually limited. Prices underwent no change.

Indol—Only small stocks were available for prompt shipment. Prices ranged from $18 to $23 per pound.

Ionone—Market position was considered fair, but production was still limited. Prices continued firm.

Phenylethyl Alcohol—A continued improvement in the market was evident and shipments moved to consuming channels fairly steady. Prices without change.

Vanillin—While market position was still regarded as tight, a gradual improvement was reported. No change occurred in the prices.

Connecticut College of Pharmacy recently marked the twentieth anniversary of its founding.

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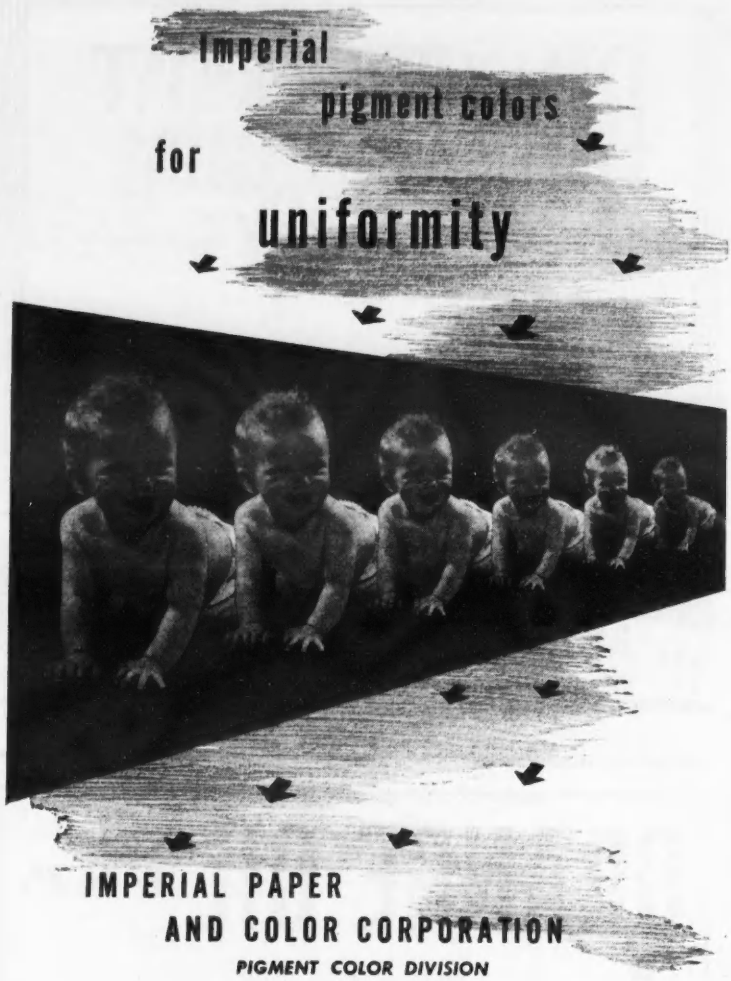
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Protective Coatings Materials

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

For Current Prices see page 9.

Still held back in its scheduled race to the goal of complete reconversion by shortages in its available supplies of numerous raw materials wherewith to step up their production to the extent needed for meeting the present steadily expanding civilian demand and for building up inventories with which to meet the estimated requirements of the huge impending new constructions, the protective coatings industry is endeavoring to determine how much longer it will have to continue handicapped by remaining governmental restrictions on its use of lead and linseed oils and when there will be a satisfactory settlement of labor disputes which are delaying production in several lines of civilian durable goods.

Some conception of the huge potential market for protective coatings has been furnished within the past week by a new study of the construction industry and its outlook, prepared by a fact-finding agency of the F. W. Dodge Corporation, showing 99,638 building projects in design or preliminary stages, with an aggregate estimated cost of $15,746,202,000. Of this total, $4,393,080,000 represents privately-owned work and $11,443,-122,000, publicly-owned buildings. Within the next ten years, this authority figures that the annual average construction volume in the thirty-seven states east of the Rocky Mountains will reach $7,348,000,000, as compared with an accumulated and estimated volume for the present calendar year of $2,500,000,000 and with a peak peacetime volume of $6,628,000,-000 attained in 1928.

Unfortunately, much of the now contemplated new construction work is being held back by lack of adequate manpower, materials supply and price and wage adjustments. But, when it once gets under way, it will enable the construction industry to stage a substantial recovery and furnish the paint and varnish trade with an enormous business.

Meanwhile, however, unless the restraining factors are eliminated from the protective coatings industry within the next few weeks, the chances for it to wind up the year with a volume of sales equalling that of $618,-325,532, recorded for the banner year 1944, are regarded as rather slim. However, it is quite possible that the 1945 aggregate of sales will still run well in excess of the eminently satisfactory total of $568,620,999, registered for 1943 by the 680 manufacturing enterprises reporting to the Census Bureau.

The Reconstruction Finance Corporation is currently offering as surplus material a large quantity of pigmented lacquer dopes, used principally for impregnating airplane fabrics, at 80 cents per gallon, delivered. The minimum quantity that can be sold is 25 gallons. A certified check must accompany all orders which should be addressed to the RFC's Office of Surplus Property, 425 Second street, N. W., Washington, D. C.

Metallic Lead and Zinc

Despite a slight increase in domestic production of metallic lead within the past month, the overall supply situation in this metal is still inadequate for meeting all the recently granted allowances to the automotive battery and collapsible tube makers and protective coatings industry without drawing heavily upon the Government stockpile. Hence, notwithstanding the crying need of the lead pigment makers for a more liberal quota than that of 55 percent of their first half of 1944 production requirements, there now seems to be little chance of additional allotments to them for some time to come. Prices of pig lead have continued unchanged for the week November 9-16 at 6.35c. per pound in St. Louis and 6.50c. in New York.

Although domestic production of zinc ores and concentrates continues ample, there is still a shortage of slabs. Quotations for zinc slabs have remained unaltered for the week November 9-16 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

Titanium Dioxide—With the current demand still far outstripping current supplies, manufacturers of these white pigments continue unable to meet all requirements. The quota on the "A" grade was recently increased to 110 percent, following the resumption of manufacturing operations by a leading interest in one of the largest plants making these "A" pigments. But quotas on the "B" and "C" grades are still being held down to 80 percent, with suppliers compelled to scale down many orders.

White Lead—Clamorings of paint makers and contracting painters for more liberal allotments of this as well as the red lead pigments are going unanswered, as manufacturers continue to be limited in the quantities which they are permitted to turn out to a maximum of 55 percent of their production in the first half of last year and are unable to procure even the quota of linseed oil promised to them by WFA and urgently needed for the production of lead in oil, albeit in at least one instance they have at long last procured considerable Argentine flaxseed and are now processing it into oil.

Fillers and Extenders

Asbestos—Continues moving in considerable volume, with prices well maintained on both Canadian and domestic types. Latest arrivals of Canadian material have included 5,263 bags.

Gypsum—Still in moderate demand. Another arrival of gypsum rock, this one consisting of 2,307 tons, has been noted within the past week.

Mica—With the call for wetground grades of scrap mica continuing fairly keen, the manufacturers of these types, especially of the finely powdered sort, are finding it easier to meet all requirements, inasmuch as the supply has latterly become more liberal. Dryground grades are also moving in considerable volume.

Dry and Chemical Colors

Carbon Black—Although buying of certain hitherto extremely popular grades of channel black has diminished to a considerable extent, with the temporary withdrawal of some of

Paint, Varnish, Lacquer Sales: September

The value of paint, varnish, lacquer, and fillers sold in September, 1945, as reported by 680 establishments to the Bureau of Census, was $48,020,267. Details of sales reported by these establishments, with comparative data for 1944 and 1943, follow:—

	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments—Trade-sales of paint, varnish, and lacquer.	Industrial sales—Total.	Industrial sales—Paint and varnish.	Industrial sales—Lacquer.	Unclassified sales reported by 100 establishments.
1945—Sept.	$48,020,237	$26,011,054	$16,851,178	$12,540,036	$4,311,142	$5,158,035
9 months.	493,208,977	263,871,276	213,576,092	162,165,371	51,410,721	50,751,609
1944—Sept.	52,109,655	25,079,807	21,661,167	16,254,108	5,407,059	5,368,681
9 months.	472,609,740	228,198,428	197,768,972	147,929,056	49,839,916	46,642,340
1943—Sept.	49,377,171	22,999,550	21,639,273	16,233,085	5,406,188	4,738,348
9 months.	431,015,451	205,500,248	184,216,580	137,695,551	46,521,029	41,298,623

For Late Market Developments, See Page 4

STEARATES

Stocks at
- NEW YORK
- CHICAGO
- ST. LOUIS
- PHILADELPHIA
- DALLAS
- BOSTON
- SHAWNEE, OKLA.
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METHYL CELLOSOLVE STEARATE

METHYL CELLOSOLVE STEARATE is a synthetic ester and is used as a plasticizer for cellulose derivatives and for resins. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	64° to 70°F
Flash point	378°F
Acidity	less than 1.0 mg. KOH per gram ester

★

BUTYL STEARATE

BUTYL STEARATE is a synthetic ester and is used as a plasticizer in cellulose and polyvinyl derivatives, also for cosmetics and for paper coating. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	64° to 70°F
Flash point	358°F
Acidity	less than 1.0 mg. KOH per gram ester
Saponication number,	171-179 mg. KOH per gram ester

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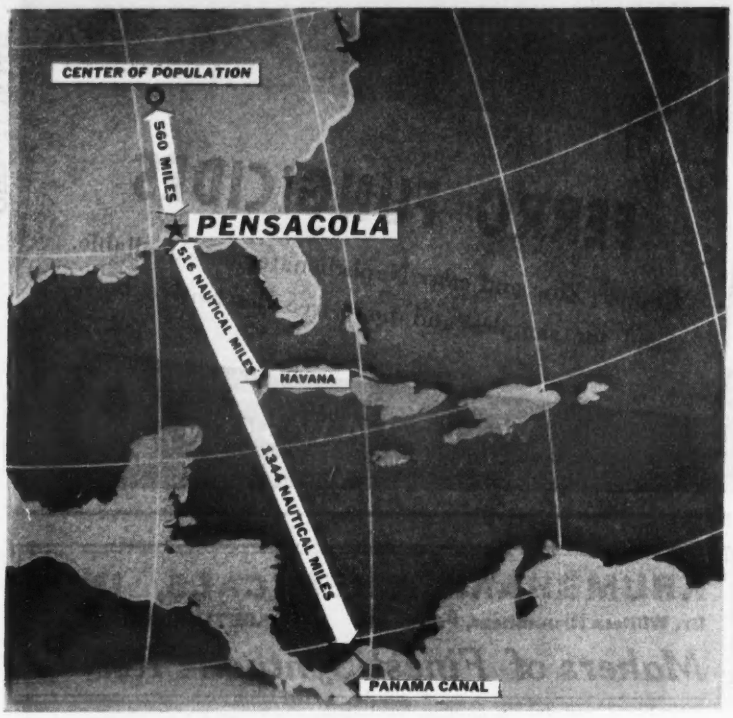

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the synthetic rubber tire makers from the market, because of work stoppage in a few of their plants, due to labor troubles, the aggregate volume of purchasing in channel blacks continues to reach sizable proportions so that inventories are being built up to only a moderate extent by the steadily increasing production which is not being entirely offset by shipments into consumption. And, replacing in large measure the diminution of the movement in channel blacks, there is such a keen demand for high color blacks from the makers of automobile finishes that the suppliers of these blacks are finding it well nigh impossible to meet all requirements.

Umber—Being bought by protective coatings' makers in larger quantities than for some time past. Latest arrivals have reached a fairly sizable aggregate, including 661 bags of crude, 16 bags of raw and 4,278 bags of dry umber and 206 bags and 7 casks of burnt umber.

Driers and Flatteners

Naphthenate—A better balance between supply and demand has latterly been established, as manufacturers have been able to procure the materials from which these driers are produced in more liberal amounts, sufficiently large to meet the bulk, if not all, current requirements.

Tallates—With all restrictions removed from naphthenates, buying of tallates has diminished materially, although there is still a fair quantity moving to those consumers who have not switched entirely to the naphthenates.

Resinates — Continue in fair but somewhat limited request.

Stearates—A spirited buying movement continues to be noted for virtually all types of these flattening agents. Aside from the aluminum type, the movement is reaching large proportions.

Lacquer Materials

Acetone—With the demand slowly waning as supplies become more plentiful, the movement in this material is being confined to a relatively small volume.

Dibutyl Phthalate—Some belated and hitherto undisclosed price markdowns by leading manufacturers have rendered still keener the competition which has arisen between the various factors in this field since the ending of the war released considerable quantities of army grade material and lowered production costs enabled the makers to reduce their prices materially. Although the lowest price manufacturer has not made any further revision of his price schedule for the new monthly period, November 10-December 9, from the previously quoted level of 16.7 cents per pound in tankcars, one of the rival establishments which had only lately been holding its output at 22.5 cents per pound, in tankcars, has very recently cut this basic figure to 17 cents while some others have manifested a strong inclination to drop their hitherto unrevised prices to a more keenly competitive basis, around 20 cents, and even under that level. One of these is already quoting 18.5 cents while others are naming 20 cents and 20.6 cents.

Naval Stores

Continued heavy drafts on Government holdings of gum turpentine and the granting of additional export permits for the pale WW and WG grades of gum rosin while all applications for authorization of out-of-the-country shipments of N and all the other and darker grades of gum rosin have been denied, have constituted the principal features of the naval stores markets within the past week.

Another interesting, even if not especially important, development has been the discovery by the Civilian Production Administration, which has taken over most of the duties and work of the War Production Board, that "rosin will continue in short supply through the current crop year which ends March 31, 1946." CPA made this announcement, after a careful study of the statistics supplied to it by representatives of the rosin producing industry on all classes of this oleoresinous product, and set forth these findings in presenting its reasons for continuing its conservation restrictions on domestic consumption and inventories imposed by order M-387.

Rosin—Amid further manifestations of the anomaly arising from a simultaneous plethora of the pale grades and a near-famine in the medium to low grades of gum rosin, some fair-sized shipments-out-of-the-country of waterwhite and windowglass grades have been sanctioned by the Foreign Economic Administration. The resultant outflow is well calculated to reduce the recent accumulations of these two relatively expensive pale grades. But, as no export licenses have yet been granted for out-of-the-country shipments of N, M or any of the other grades of gum rosin, and, as domestic consumption of these grades has continued to be limited by the drastic controls of M-387, there has been only a meager movement of these grades within the past week.

Even the offerings of these grades on the Savannah Naval Stores Exchange have been very light and, with the flow of the crude pine gum steadily diminishing with the advent of cold weather and scheduled for reduction to a mere trickle by the end of

Lacquer Sales for Third Quarter 1945

Sales of clear lacquers, pigmented lacquer, bases and dopes, and thinners by 158 manufacturers, as reported to the Bureau of Census for the third quarter of 1945, and a comparison with those for the corresponding quarter of 1944, were as follows:—

	1945	1944
Clear lacquers—		
Gallons	3,934,032	3,408,370
Value	$6,153,025	$5,454,372
Pigmented lacquers—		
Gallons	3,444,821	3,613,567
Value	$7,596,424	$8,082,702
Lacquer bases and dopes—		
Gallons	805,943	830,343
Value	$1,100,661	$1,069,401
Lacquer thinners—		
Gallons	6,563,317	5,789,231
Value	$6,231,278	$5,342,253
Totals—		
Gallons	14,748,113	13,641,511
Value	$21,081,388	$19,948,728

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this year, there is not much likelihood of any substantial addition to stock of medium to low grade gum rosin until the opening of the new crop season, April 1, 1946.

In wood rosins, also, the supply situation is tight outside of the FF grade, but, with production being carried on in the cold as well as in the warm months of the year and in line to be hugely increased by the Spring of next year, the present pinch in the market for wood rosin is not regarded as likely to cause any serious inconvenience.

Savannah, Nov. 16.—Following is a record of the market for the week:—

	Price per unit				
	Low of range quoted				
	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$6.00	$6.00	$6.00	$6.00
D	...	6.07	6.07	6.07	6.07
E	...	6.60	6.60	6.60	6.60
F	...	6.70	6.70	6.70	6.70
G	...	6.74	6.74	6.74	6.74
H	...	6.76	6.76	6.76	6.76
I	...	6.76	6.76	6.76	6.76
K	...	6.80	6.80	6.80	6.80
M	...	6.82	6.82	6.82	6.82
N	...	6.98	6.98	6.98	6.98
WG	...	7.23	7.23	7.23	7.23
WW	...	7.50	7.50	7.50	7.50
X	...	7.50	7.50	7.50	7.50
	Drums				
Sales	...	250	...	...	91
Receipts	...	68	301	108	87
Shipments	...	57	427	206	100
Stocks	...	9,122	8,951	8,853	8,840

* Savannah Naval Stores Exchange and all other primary markets in the South closed in observance of Armistice Day.

Turpentine — Additional drafts on Government holdings of gum turpentine, aggregating fully 5,000 units of 50 gallons, each, have been made within the past week, reducing the Commodity Credit Corporation's stocks considerably below 50,000 units. With the current production running low and supplies, outside Government holdings, reduced to small and widely scattered lots, further drains are expected to be made on these CCC stocks, albeit CCC is now endeavoring to limit these drafts with a view to providing a more orderly distribution. Meanwhile, the CCC parity price remains at 80.9 cents per gallon and the official market price at 81¼ cents, with the latter being paid for CCC stocks, together with so-called unloading and refinery charges which carry that figure to 81¾ cents.

The shortage in steam-distilled wood turpentine, pine oil and dipentene continues to grow still more acute daily, as domestic stocks are reduced close to the vanishing point by heavy exports to the Netherlands and Italy, and on other UNRRA accounts.

Savannah, Nov. 16.—Following is a record of the market for the week:—

	Bulk gallons—		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
*Monday	..	...	...	...	....
Tuesday	81¼	450	...	186	5,314
Wednesday	81¼	1,350	100	117	5,297
Thursday	81¼	...	48	...	5,345
Friday	81¼	350	77	8	5,415

* Savannah Naval Stores Exchange and all other primary markets in the South closed in observance of Armistice Day.

Synthetic Resins

Alkyd Resins—In increasingly keen demand from the makers of coatings for automotive vehicles with the shortage of linseed and soybean oils and the tightening of glycerin supplies the only restraining influences upon the volume of production and takings.

Phenolic Resins—With virtually all restrictions upon civilian consumers removed, the purchasing movement in these resins is reaching larger proportions daily. Consumption and shipments of these and other tar acid resins for July are reported by the Census Bureau and Department of Commerce as follows:—Laminating (dry basis), 3,218,603 pounds; adhesives (dry basis), 907,375 pounds; molding materials, including fillers, plasticizers and extenders, 9,742,920 pounds, and all other types (dry basis), exclusive of protective coating resins, 3,632,194 pounds.

Vinyl Resins—Continue in keen demand, with a steadily increasing volume moving into civilian consuming channels. For July, consumption and shipments, according to the latest report of the Census Bureau and Commerce Department, amounted to:—Sheeting and film, including fillers, plasticizers and extenders, 1,212,117 pounds, compared with 1,355,902 pounds for June; textile and paper coating resins (resin content), 2,041,-133 pounds, compared with 2,122,082 pounds for June, and all other types (resin content), including those produced by one company not canvassed in previous months, 1,669,263 pounds, compared with 2,170,949 pounds for June.

Varnish Gums

Asphaltum — An unabatedly keen demand and sizable movement of gilsonite and petroleum base asphaltums continues to be noted, with most of the foreign types either unavailable or in very scanty supply.

Copal—With most of the four recently arrived cargoes of Congo copal already shipped out to customers of the local importers who had long since contracted for their quotas, stocks in local warehouses have not been replenished to any appreciable extent. And no additional cargo is expected to reach here until December 9, when consignments of approximately 416 tons are scheduled to arrive at the port of New York from the Belgian Congo on a ship on the way here. An arrival of 20 bags of so-called gum copal from Brazil has been recorded at this port, but this gum is not of the same kind as the copals from the Far East. As for the outlook for a resumption of shipments of copal from the Philippines and the Dutch East Indies, this is still regarded as so nebulous as to call for only futile speculation.

Shellac—Aside from one additional cargo of lac from Calcutta reaching New York a few days ago, there have been no further additions to the local supplies of this material and stocks of seedlac and T.N. are still too light to enable bleachers to make much of a showing in their operations. New offers of the Kusmi crop from India continue few and small in size. Cutting operations are also greatly limited. But, fortunately for the suppliers, the demand from the varnish trade is lagging commensurately, so that they are able to fill most requirements, despite the shortage in stocks.

Glues and Binders

Casein—In the absence of any new arrivals of Argentine casein, within the past week, the local market is only moderately supplied with this

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imported material, inasmuch as most of the cargoes lately reaching here have been taken up by consumers in the paper coating, paint and plastic industries, and domestic production continues extremely small. The current demand, however, is also rather light.

Glues—Lack of adequate raw materials and labor are still holding down production of both hide and bone glues to such relatively small proportions that manufacturers continue under the painful necessity of scaling down their customers' orders with the best allocations that they can make under the circumstances to assure as equitable distributions as possible.

Plastic, Coldwater Paint Sales for 8 Months 1945

The first issue of the Census Bureau's compilations of monthly sales of plastic-texture paints, coldwater paints and calcimines, since it resumed publication of such reports after making certain changes in the coverage of its survey and the form of these reports, this bureau has furnished the figures on the sales for the first eight months of this year, January to August, inclusive. Having published the report on these sales for August, in its November 12 issue, OPD is presenting below the totals for this eight months' period:—

Plastic-Texture Water Paints

	Pounds	Value
*Total	5,688,493	$386,184

* Includes paste and dry powder, plastic-texture water paints, which cannot be shown separately without disclosing the operations of individual companies.

Coldwater Paints

	Pounds	Value
Exterior, lime or cement-bound	12,733,545	$979,394
casein-bound	2,843,008	181,534
Interior, casein-bound, paste or semi-paste form	*1,761,389	$2,338,991
dry-powder form	5,172,235	435,606
glue-bound	1,811,873	75,508

* Gallons.

Calcimines

	Pounds	Value
Hotwater	8,181,005	$365,687
Coldwater	9,865,904	204,640

Sales of these products for the first eight months of 1945 may be epitomized as follows:—

Plastic-texture water paints	total lbs.	5,688,493
	total value.	$386,184
Coldwater paints	total value.	$4,011,053
Calcimines	total lbs.	18,046,879
	total value.	$870,327

Aluminum Co. Names Pigment Division Head

W. B. Roberts has been named manager of the Albron pigment division of the Aluminum Company of America, Pittsburgh, Pa. A native of Indiana and a graduate of Purdue University, Mr. Roberts began his aluminum career at Alcoa's Badin, N. C., works, in 1923. He was transferred to the company's research laboratories at New Kensington, Pa., in 1924 to work on the development of aluminum paints. Later he was transferred to the Pittsburgh sales department as the company's first full-time aluminum pigment salesman. In 1928 he was appointed assistant sales manager in the aluminum pigment division, which position he has held, up to the time of his present promotion.

Phenolic Oil Soluble Resin Offered by Durez

Durez 22OV, a new modified phenolic oil soluble resin, has recently been announced by Durez Plastics & Chemicals, Inc., North Tonawanda, N. Y. Durez 22OV resin was formulated to make possible a higher viscosity varnish while still retaining the exceptionally fast drying time and other desirable properties ordinarily associated with similar resins.

Velsicol Opens New York Office

Velsicol Corporation, manufacturers of petroleum chemical derivatives, Chicago, has opened a New York office in the Park-Murray building, 9-11 Park place, New York. This office, which will be Velsicol's Eastern sales and service headquarters, is in charge of J. Newton Hall.

Sleight Metallic Ink Sold

Sleight Metallic Ink Company of Pennsylvania, and Sleight Metallic Ink Company of Illinois were purchased by Morris H. Gotthilf of Morris H. Gotthilf & Co.

Sapolin Technical Head

Fred C. Auwarter has been appointed technical director for the Sapolin Company. Mr. Auwarter has completed the plans and is supervising the laboratory expansion now going forward at the Sapolin works located in Brooklyn.

Trade Briefs

James Birnie, jr., has been appointed art director for the Foil Division of Reynolds Metals Company, Richmond, Va.

Baltimore Paint Salesmen's Club has elected William D. Gerber, of the Chesapeake Asphalt Products Company, as president.

Kaylite Paint Products, Los Angeles, Calif., is the name under which Stanley L. Kaye will conduct a paint manufacturing business at 316 South Berendo street.

George H. Tulley has been named assistant sales manager of the Metals Refining Company division of the Glidden Company, Cleveland, with headquarters in Hammond, Ind.

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Petroleum Derivatives

With its crude oil production rapidly regaining the record high levels attained in the war period and maintained until the recent strike-generated slowdown of operations in some of the domestic oilfields set it back by nearly 1,000,000 barrels daily, the American petroleum industry is stepping up the output of its refineries sufficiently to compensate with hugely amplified yields for the setbacks in the outflow of gasoline, kerosene, fuel oils, lubricating oils, petroleum solvents and liquefied gases which it sustained when work stoppages occurred in several of the largest of these plants during the labor troubles of a month ago.

Hence, it is becoming increasingly apparent that the manufacturers of all these petroleum derivatives will be able to meet the steadily mounting civilian requirements as well as the constantly diminishing military needs for all these products throughout the Winter months just ahead, provided that transportation facilities are not impeded materially by exceptionally severe storms.

In a valedictory address, delivered at the annual meeting of the American Petroleum Institute, in which he bade farewell as Petroleum Administrator for War, Harold L. Ickes outlined last week a proposal of his own for a national petroleum industry policy in which, while contending that the national interest in any irreplaceable natural resource must be recognized, he urged that, both at home and abroad, the undertaking of producing both crude and refined petroleum should be carried on as far as possible by private industry.

Sketching his suggestion for a national oil policy, the Secretary of the Interior stated that this should have two goals: first, assurance of ample supplies for so far in the future as that may be possible, and second, utilization of the world's oil in furthering the well being and security of all peace-loving nations.

He also emphasized that, while he did not think the U.S.A. was in danger of running out of petroleum in the near future, there were no means of ascertaining how long it would be able to supply domestic requirements from its own resources. Hence he urged stimulation of exploration in the United States, efficient use of oil supplies and assurance of access to foreign oil resources to supplement domestic supplies when, or if, they are needed. In conclusion, he heartily endorsed the revised Anglo-American petroleum agreement which, he asserted, could serve to "implement our national oil policy when, or if, we evolve one."

The Office of Surplus Property of the Reconstruction Finance Corporation has announced that it has for sale 216,200 pounds of Napalm thickener, packed in 100-pound metal and fiber drums. This material is used for a gasoline thickener as a substitute for isobutyl methacrylate. Bids will be received on this offering, designated as declaration No. 15321, at the Atlanta, Ga., regional office until December 3.

Solvents and Diluents

Aromatic Solvents—Manufacturers of high-solvency aromatic naphthas remaining in the field after the withdrawal of one of the heretofore leading producers, who is now devoting his operations along that line to the marketing of petroleum xylol and toluol, report an adequate supply of these basic materials available for their processing needs and an only slightly diminished demand for both of the principal classes of these solvents, with prices well maintained throughout the list.

Cleaners' Naphtha—Continues in fair request, with civilian interests taking considerably more than the military.

Lacquer Diluent—Still in moderately brisk demand and firmly held.

Mineral Spirit—An active and sizable movement of this solvent continues to be recorded.

Rubber Solvent—Virtually the entire output of this solvent is still being absorbed by the manufacturers of synthetic rubber, although the individual takings of some of these rubber makers have been considerably curtailed by the lessening of their needs resulting from shutdowns at their plants by labor troubles.

Stoddard Solvent—Coincident with the continued waning of buying on military account, there has arisen a still keener demand from civilian dry-cleaning interests.

V. M. & P. Naphtha—Moving in considerable volume to paint and varnish makers, with prices firmly held on all sides.

Market Trends

Prices Advanced

White mineral oils, ½c. to 1c. per gal.

Prices Reduced

None

For Current Prices see page 9.

Markets at Other Centers

Chicago, Nov. 16.—Business is reported holding up relatively well in petroleum solvents and diluents in this area. For some time, buyers have been exhibiting considerable interest in forward business. The offerings generally are slow.

Los Angeles, Nov. 16.—Conditions in the solvents and diluents market on the Pacific coast are generally steady. Supplies appear to be adequate now.

Lighter Fractions

Butane—With the current gradual waning of the requirements of gasoline fortifiers making high-octane gasoline for military aviation and with the recent slight curtailment of the takings of manufacturers of synthetic rubber, some of whose plants have been closed by strikes, there is now a sufficient supply of this liquefied petroleum gas to meet all the requirements of the hitherto "shorted" home heating and cooking users and also for private manufacturers utilizing this gas for the generation of intense heat in connection with certain of their processing operations.

Heptane—Still moving in fair volume into consuming channels, mostly civilian in character.

Hexane—Continues in moderate demand with prices well maintained.

Octanes—A small but steadily expanding call is noted for these gases.

Pentanes—Civilian takings now far outnumber and outstrip in size those for military account.

Propane—Conditions almost exactly similar to those noted in butane also prevail in the market for this gas.

Petrolatums and Waxes

Microcrystalline Waxes—With many erstwhile users of the high grades of refined paraffin having recourse to these waxes, because of their inability to obtain the former, the volume of sales in the latter has steadily increased of late, so that their current movement is reaching considerably amplified proportions under the leadership of the standard process types.

Paraffin—Huge takings of this petroleum wax for export are reducing the domestic supply to meager proportions in crude scale as well as in the refined grades. Although long since freed from all allocation control and in a position to move in large volume into domestic consuming channels, these waxes are in such short supply as to cramp operations therein to relatively small proportions at home.

Petrolatums—An exceedingly keen buying movement is shown in U.S.P., veterinarian and technical grades of petroleum jellies, with prices firmly maintained by the manufacturers.

White Mineral Oils—Under the stimulus of a mounting demand and diminishing supplies, prices of several of the technical grades of these oils have been marked up by leading makers a half to a full cent per gallon, with the undertone of the market continuing strong.

Fuels and Lubricants

Crude Petroleum—With the Government authorities still encouraging oil country prospectors and developers to bring in as many new pools as possible, it has discovered that the estimated cost of finding and developing crude oil fields with producing wells has been more than doubled since the prewar years.

PAW has announced that Petroleum Directives 63 and 73, by means of which that agency had scheduled the flow of crude oil through the "Big Inch" (24-inch) pipeline and petroleum products through the "Little Big Inch" (20-inch) pipeline, will be revoked, effective November 30. With the revocation of these directives, the petroleum companies which supplied the pipelines are free to move their oil as they see fit, in accordance with the normal practices of peace-time.

For Late Market Developments, See Page 4

ASPHALT
FOR EXPORT
Representing Talco Asphalt & Rfg. Division
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Glycerine — Pitch — White Oleine
FACTORIES
DOVER, OHIO · LOS ANGELES, CALIF. · TORONTO, CANADA

Oils, Fats, and Waxes

Further improvement in the production of new crop oils, resulted in a good volume of business in cottonseed, peanut and soybean oils during the week, though producers refused to accept contracts beyond thirty to sixty days delivery. Refiners endeavored to purchase futures, up to next Spring and Summer delivery, but sellers turned down bids at ceilings.

Production of castor and linseed oils have been resumed in this area, but mills were operated at reduced schedules. Both oils were in urgent demand with producers unable to take care of new business, because supplies were needed to cover former contracts. Owing to the sold-up condition of new crop domestic tung oil, producers withdrew from the market and were not offering during the **week. Recent sales** contracted for production up to next April at ceilings.

Conditions in the carnauba wax market have been in a wild state since the removal of price ceilings by the OPA several weeks ago. Consumers were anxious buyers and prices soared to high levels. Firm offers were readily accepted and business was reported from 40c. to 45c. per pound above former ceilings during the week. Most trading was transacted in January forward shipments from Brazil and prompt and nearby commanded additional premiums, which were reported paid. In many instances cabled acceptances at high asking prices were turned down. In their anxiety to obtain replacements, consumers were said to have placed business direct with inland producers, instead of through regular channels at the port of shipment. The activity in carnauba was reflected in ouricury wax, and a sizable volume of business has been booked for shipment, at sharply advanced quotations at the same ratio noted for carnauba.

Import controls were removed on sesame oil, edible and inedible, neatsfoot oil and animal oils known as neatsfoot stock, and rapeseed and sesame seeds, effective November 15, it was announced by Department of Agriculture.

Cottonseed Oil

Sales of crude oil were more active during the week, but were mainly for spot and thirty-day delivery. Crushers were not accepting long-term contracts, as yet, although refiners were bidding at ceilings for nearby and forward positions. Production showed some improvement and the peak was expected to be reached in December and January. Seed movement to mills were steadily increasing.

Bleachable oil prices follow:—

	Cents per pound in tanks— High.	Low.	Close.
December	....	....	14.31 nom.
March	....	....	14.31 nom.
May	....	....	14.10 bid
July	....	....	14.00 bid
September	....	....	13.90 bid
October	....	....	13.70 bid

Total sales, none.
Cash, 14.3½c. nom.
Crude, Southeast, 12¾c.; Valley, 12⅝c.; Texas, 12½c. f.o.b. works (all ceiling prices).

Memphis, Nov. 15.— Cottonseed products continued in keen demand, with mill offerings light. Seed receipts far behind last year. Weather improved after several days of rain.

Linseed Oil

Approximately 9,937 tons of Argentine flaxseed arrived at New York abroad two steamers during the week, making a total of 18,837 tons received in this area during the past fortnight. These arrivals have enabled crushers to resume crushing in the East on reduced schedules which will continue for the balance of the year, but additional supplies will be necessary in order to relieve the tight supply situation and to meet early next year requirements. An urgent inquiry continued for oil for delivery during the first quarter of 1946, but crushers were not offering either prompt or futures, but restricted activities to making shipments against a large backlog of orders.

Official estimates placed the Canadian 1945 flaxseed crop at 7,397,000 bushels, compared with 9,668,000 bushels produced last year.

Minneapolis, Nov. 14.—Crushers have no oil for sale. Urgent demand continued for immediate shipment against old and maturing contracts. Most of the local mills are comfortably fixed as far as immedite supplies are concerned, but production fell off rather sharply during the week.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	6,360,000	5,910,000
Since Sept. 1	78,220,000	76,080,000

Los Angeles, Nov. 14.—Firm conditions continue to feature the linseed oil market. Oil was quoted at 14.5c. per pound in tankcars.

Flaxseed — Buying interest keen with bids at ceilings for deliveries up to next Summer bringing out little seed.

Minneapolis, Nov. 15.—Producers and flaxseed crushers acclaimed announcement that government action would be taken in 1946 to bring returns to growers on the basis of $3.60 at Minneapolis or approximately 50c. per bushel more than crushers are now allowed to pay. There was practically no change in the eash situation at Minneapolis as spot arrivals were applied against previous purchases and buyers continued to bid for all flaxseed shipments up to next July.

	Receipts 1945-46		Shipments 1944-45	
This week	399,000	279,000	313,500	72,000
Since Sept. 1	14,925,000	8,201,500	2,567,500	1,095,000

Buenos Aires, Nov. 16.—No flaxseed shipments were made during the past week. Visible supply of seed was estimated at 1,378,000 bushels. Seed was quoted at $1.66 per bushel, f.o.b. steamer.

Hull, Nov. 16.—Bombay, £36, December-February; Calcutta, £34, December-February; La Plata not quoted.

Other Vegetable Oils

Castor, Dehydrated—Supplies were scarce and with production sold well ahead, makers confined activities to taking care of regular customers. Demand continued in excess of supplies.

Oiticica — This market was quiet during the week. Supplies here were reported limited and firmly held at former levels. The Brazilian market was strong, with offerings unavailable and sellers asking for bids for new-crop oil. Imports totaled 460 drums, consigned against contracts.

Olive—There was no change in the supply situation. Market was bare of supplies. Advices from Mediterranean countries hold out no improvement in the possibility of obtaining oil in the near future. California crop this season was reported small and would be absorbed there.

Peanut—Demand from refiners at ceilings continued to exceed production. Selling was active, but only against expected production over the next sixty to ninety days. Crushers refused bids for Spring and Summer shipments, because they do not know the amount of peanuts that will be available for crushing during this period.

Soybean — Inquiry was keen for nearby and forward delivery. Trading in crude was light, owing to scarcity of offerings. Market was firm at ceilings.

Tung—With new-crop oil sold up to next March-April, producers withdrew from the market during the week. Inquiry continued keen for all positions, but trading was slow.

Los Angeles, Nov. 14.—Demand for all vegetable oils continued good, but lack of offerings limited trading. The market remains tight, at ceilings.

Fats and Greases

Grease—This market continued firm under a keen demand which absorbed supplies as fast as available at ceilings. Offerings were moderately larger during the week, but were not adequate to cover demand.

Lard—Bulk of production continued to be taken for government account.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.3	193.3	193.3	191.9

For Current Prices see page 9.

For Late Market Developments, See Page 4

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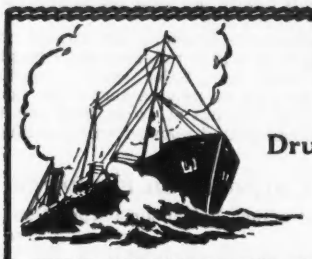

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WAX AND OIL DIVISION

Supplies were light for civilian use and trading confined to limited quantities. Present ceiling prices for pork products including lard will not be changed as a result of reductions that were made in some freight rates, OPA announced November 13. Lard stocks in Chicago totaled 7,512,122 pounds on November 15, compared with 5,243,934 pounds November 1, and 19,365,638 pounds, November 15, last year.

Tallow—Although tallow production improved of late, demand continued excellent and offerings were promptly taken at ceilings. Consuming inquiry was keen for additional supplies.

Animal Oils

Degras—Steady demand continued to absorb all offerings at ceilings. Production was sold up and withdrawals were active against contracts.

Grease Oil—Buying interest was keen and with production sold up, supplies were limited and well held at ceilings.

Neatsfoot Oil—Demand was slow and the undertone was easy. Offerings were fairly liberal, and prices for carlots could have been shaded.

Oleo—Deliveries were in good request against contracts. Production was sold well ahead and offerings continued scanty.

Fish Oils

Menhaden — Business was quiet, though demand for refined oil was reported excellent. Supplies were low and maintained at ceilings. Refiners were bidding at the ceiling for crude, with producers out of the market.

Sardine—Fishing on the Pacific coast was reported running below a year ago and has curtailed the production of crude oil. Trading was slow with bids at the ceiling attracting little attention.

Los Angeles, Nov. 14.—Demand for crude sardine oil continues good, but supplies are short. Refined oils also were in small supply. California Sardine Products Institute reported 268,757 tons landed to November 3, compared with 319,658 tons November 4, last year.

Fatty Acids

Red Oil—Steady movement against former contracts absorbed the output. Market continued strong with offerings limited. Buying interest was active.

Stearic Acid—This market also firm with demand exceeding the supply. Prices maintained at ceilings. Producers limited sales to regular customers.

Cake and Meal

Cottonseed Meal—Carlot offerings almost nil. Seed movement to mills has been fairly heavy and crushing will soon approach the peak. Almost the entire production is going back to the seed sellers, for distribution to feeders and feed mixers. Every segment of the feed trade continues to bid at ceilings.

Linseed Meal—Output continued to move against former contracts as fast as available. Production sold up with offerings of new commitments scanty.

Minneapolis, Nov. 14.—Urgent shipping instructions against old contracts and difficulty obtaining an adequate supply of freight cars to handle shipments slowed meal movement out of the local terminal.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week.....	10,980,000	9.1'0,000
Since Sept. 1.....	123,480,000	107,044,000

Peanut Meal—Although production of peanut meal is increasing, the peak will not be reached until December or January. Crushers continue to hold the bulk of their production for local truck sales, and about the only carlot shipments are against commitments made thirty to sixty days ago. No new sales were reported last week, although the feed trade continues to bid at the ceiling.

Soybean Meal—With soybean harvesting drawing to a close, it is apparent that few Southeastern crushers will be able to acquire their quota of western beans without government assistance. In the meantime, the ceiling price of $45.00 bulk basis Decatur for 41 percent is freely bid for any shipment over the next eight to ten months.

Waxes

Beeswax — This market was quiet but steady and reflected the firmness at primary centers. Offerings of crude for shipment were not liberal and nominal at 40c. to 43c. per pound, f.o.b. shipping point, depending upon seller and position.

Candelilla—Lack of offerings from Mexico continued to restrict trading. Consumers' interest was moderate. It was reported that some business was done recently at 20c. per pound above recent ceilings.

Carnauba—Consumers continued to show an active inquiry for all positions and further higher prices were reported paid, the range being from 40c. to 45c. per pound above recent ceilings. Offers were mainly for limited quantities and for future shipment, and nearby positions commanded still higher premiums. Arrivals totaled 397 bags for delivery on prior contracts.

Ouricury—Demand was urgent for this wax, and it reflected the strength in carnauba. Sales were reported transacted at private terms for consumers' account at prices from 40c. to 45c. per pound above former ceilings.

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PHILLIPS PETROLEUM COMPANY
Chemical Products Department
BARTLESVILLE, OKLAHOMA

Corporation Earnings

Amerada Petroleum Corporation

	1945	1944
3 months, Sept. 30....	$1,427,366	$1,250,327
Per share.....	1.81	1.59

American Window Glass Company

Year, Aug. 31.....	892,321	156,093
Per share.....	.....	.....

Butte Copper & Zinc Company

3 months, Sept. 30....	49,685	40,102
Per share.....	.08	.06

Haloid Company

9 months, Sept. 30....	195,611	174,979
Per share.....	1.38	1.24

Monsanto Chemical Company

9 months, Sept. 30....	4,101,205	.....
Per share.....	2.71	.....

New Jersey Zinc Company

9 months, Sept. 30....	3,758,212	3,997,663
Per share.....	1.92	2.04

Pittsburgh Metallurgical Company

Year, June 30.....	193,835	120,023
Per share.....	1.55	.96

Standard Oil Company of Ohio

9 months, Sept. 30....	5,146,650	5,323,363
Per share.....	1.77	2.25

Sterling Drug, Inc.

9 months, Sept. 30....	8,028,153	6,454,750
Per share.....	2.11	1.82

OPA Sues Westall Co.

A treble damage action amounting to $150,000 was filed by OPA in Federal Southern District Court against the Evelyn Westall Company, cosmetic manufacturer, New York. OPA charged that the Westall firm had required customers to pay additional sums over the ceiling prices as a condition to receiving orders.

Remus & Co. Names Richard Remus President

Edward Remus has been named chairman of the board of Edward Remus & Co., essential oils and aromatic chemicals, New York. Richard Remus succeeds his father as president. George N. Cox, who has been assisting Richard Remus in the Kansas City office, has been named manager of that office. Henry H. Pinewell has been named manager of the Chicago office which will be opened early in 1946.

Irving Chase Joins Hutchinson

Irving Edgar Chase has been named a member of the executive staff of D. W. Hutchinson & Co., essential oils, New York. Mr. Chase was formerly director of sales for the William D. Neuberg Company, chemicals, and previously assistant export manager for Magnus, Mabee & Reynard, Inc., New York. For a number of years he was engaged in export-import work with W. R. Grace & Co., both in New York and in California.

Soap Deliveries Decline In Third Quarter

The decline in soap sales which began the first of the year continued through the third quarter ending September 30, according to Roscoe C. Edlund, manager of the Association of American Soap and Glycerine Producers. The decline is attributed by Mr. Edlund to restrictions on the amount of fats which the government allows for soapmaking.

In the first nine months of 1945 sixty-eight manufacturers, representing about nine-tenths of total production, delivered to the American people 2,218,256,000 pounds of soaps other than liquid, and 3,490,000 gallons of liquid soaps. Deliveries of soap other than liquid during these months were 8.6 percent less than in the corresponding period of 1944. Liquid soap deliveries increased, however, 16.3 percent.

Third quarter soap deliveries ending September 30 declined below the second quarter ending June 30, the decline for soaps other than liquid being 12.8 percent, although the deliveries of liquid soaps increased 26.4 percent. Sales in dollars in the third quarter were 9 percent less than in the second quarter. They declined from $102,325,000 in the three months ending June 30 to $93,125,000 in the three months ending September 30.

Kirkpatrick Receives S.C.I. Medal

Importance of the science of human relations in solving the problems of the world was stressed by Sidney D. Kirkpatrick, winner of the Chemical Industry Medal for 1945, at a presentation dinner held November 9 at the Hotel Commodore, New York, in his honor by the American Section of the Society of Chemical Industry. Mr. Kirkpatrick is editor of Chemical and Metallurgical Engineering.

Du Pont Develops New Zinc Fungicide

E. I. duPont de Nemours & Co., Wilmington, has announced a new fungicide. It is known as 'Zerlate' fungicide, based on zinc dimethyldithiocarbamate. Both this new product and its slightly older sister, 'Fermate' fungicide, which is based on ferric dimethyldithiocarbamate, are said to show unusual promise for use as sprays and dusts.

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Available in Cake,
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Fats, Oils, Output Consumption: August

The preliminary statistics of the factory production and consumption of animal and vegetable fats and oils for August, 1945, as compiled by the Bureau of Census, follow:—

Vegetable Oils

	Pounds	
	Production	Consumption
Babassu, crude	[2]	4,747,000
Refined	[2]	2,210,000
Castor, No. 1, crude	11,287,000	7,807,000
No. 3, crude	3,558,000	2,929,000
Dehydrated	2,894,000	1,905,000
Sulphonated	.....	594,000
Chinawood or tung oil	.....	1,995,000
Coconut, crude	16,364,000	11,649,000
Refined	4,498,000	4,357,000
Corn, crude	12,588,000	14,557,000
Refined	12,461,000	2,482,000
Cottonseed, crude	37,247,000	58,049,000
Refined	53,043,000	88,277,000
Linseed	38,245,000	39,934,000
Olive, edible	.....	57,000
Inedible	.....	24,000
Sulphur oil or olive foots	.....	143,000
Oiticica	.....	1,644,000
Palmkernel, crude	4,975,000	2,742,000
Refined	[2]	[2]
Palm, crude	4,975,000	2,742,000
Refined	[2]	[2]
Peanut, crude[1]	4,940,000	9,808,000
Refined	8,952,000	7,629,000
Sesame	.....	36,000
Soybean, crude	111,342,000	120,014,000
Refined	111,576,000	90,060,000
All other	14,685,000	3,797,000

Animal Fats

Lard, rendered (including neutral lard and rendered pork fats)	90,835,000	5,517,000
Neatsfoot oil	171,000	312,000
Tallow, edible	9,288,000	11,177,000
Inedible	76,799,000	102,741,000

Fish and Marine Mammal Oils[3]

Codliver	10,000	828,000
Cod	57,000	890,000
Marine mammal	.....	962,000
Other fish	[4]28,874,000	21,290,000
Other liver	483,000	1,082,000

Greases

Greases (including garbage and house), other than wool	39,744,000	50,626
Wool grease	1,261,000	1,390,000

Secondary Products

Animal fat and oil fatty acids	10,906,000	21,053,000
Animal foots, 100% basis	2,306,000	2,667,000
Fish and marine mammal fatty acids	2,398,000	637,000
Grease and lard oil	5,988,000	2,717,000
Oleo oil	4,582,000	1,597,000
Red oil or oleic acid	6,800,000	4,094,000
Stearic acid	4,469,000	4,032,000
Foots, from fish and marine mammal oil (100% basis)	[5]	55,000
Stearin, animal, edible	2,097,000	2,634,000
Inedible	4,337,000	1,302,000
Stearin, vegetable oil, Winter	5,544,000	7,567,000
Tallow oil	3,015,000	1,223,000
Vegetable oil fatty acids from foots and other than from foods including fatty acids from tall oil, palm oil, refuse, etc	12,776,000	17,182,000

Other Products

Glycerin, chemically pure (100% basis)	5,850,000	7,834,000
crude (100% basis)	13,581,000	14,118,000
high gravity and yellow distilled (100% basis)	7,323,000	8,799,000
Hydrogenated oils, edible	95,398,600	88,696,000
Inedible	22,065,000	22,044,000
Shortening	128,078,000	436,000
Winterized vegetable oils	23,631,000	.....

[1] Bureau of Agricultural Economics collected the data on production and stocks from crude peanut oil producers.
[2] Included in "All other" vegetable oils.
[3] Fish and Wildlife Service collected the data from fish oil producers.
[4] Includes 17,702,000 pounds of herring, sardine, and pilchard, and 10,550,000 pounds of menhaden for August.
[5] Not shown to avoid disclosure of individual operations.

Raw Materials Used

	Tons	
	Consumption	Stocks Aug. 31
Castor beans	16,213	6,564
Copra	12,711	9,093
Corn germs	17,407	273
Cottonseed	122,014	205
Flaxseed	52,592	57,158
Palm kernels	5,927	15,639
Soybeans	376,082	386,577
Tung	.....	.....
Others[1]	10,728	5,615

[1] Peanuts not included.

APC Extends Claims Deadline to April 1

OPD Washington Bureau

Alien Property Custodian James E. Markham has announced that he had extended the deadline for filing claims against the APC to April 1, 1946. The action taken was in the form of an amendment to APC General Order No. 21, he said.

Mr. Markham explained that vesting orders generally provide for a one-year period within which notices of claims may be filed by any person except a resident of an enemy country. However, he said, the deadline for filing had been extended several times previously.

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Autoclaves

1 Valley Cast Iron Autoclave; 24"x24"; Jktd. Agit'd.....9326
1 A.S.M.E. approved Autoclave; 24"x30", Jktd., 60-lb.; internal working pressure 325 lbs.; provision for agitator.....1039/N2
1 Devine Jacketed Autoclave; 31"x 36"; hinged cover with swing bolts 606/E2

Cutters, Choppers

1 Sprout Waldron No. 1½ Rotary Cutter arranged for belt drive... 841
1 Buffalo 36" Bean Chopper.....6990
1 Hercules Bone and Ice Chopper. 457/R2

Colloid Mills, Homogenizers, Viscolizers

1 Eppenbach Horizontal No. 1; 3" rotor; 1½ H.P.....8541
1 Charlotte No. 7; 6" rotor; 7½ H.P. motor.....3195
1 Manton Gaulin Homogenizer; 60 GPH; 3 H.P.....508/W1
1 U.S. Collois Mill No. 1 Horizontal; 3" white metal rotor and stator motorized 5 H.P. A.C. 3540 RPM.....S 107
1 Union Steam Pump Co. No. 450 Viscolizer with 10 H.P. A.C. Motor 707/A5

Compressors

1 Vilter Ammonia Compressor, 3½"x3½", arr. for motor drive.930/B8
3 Brunswick Kroeschell C02 Compressors with motor.....8230

Condensers, Heat Exchangers

1 Westinghouse C.I., Surface Condenser; brass tubes 1000 sq. ft..9113
2 Alberger C.I. Condensers; 1520 sq. ft.....910882
1 Devine C.I. Surface Condenser; 148 sq. ft.....6566
1 Devine Cast Iron Surface Condenser with Receiver; Type 40-3Y 606
1 Devine Vertical Heat Exchanger with 82 sq. ft. steel tube surface.9549
2 Deckebach Copper Refrigerator Condensers each having 58 turns of 1" coil on 7" diameter with center tube 5"x109" long.....9303

Crystallizers

1 Buffalo and Devine 6' Crystallizer, open type.....9725/C
1 Jacketed Horizontal Crystallizer, 6'x13' 9725/D
1 Buffalo all bronze Crystallizer; 3'x3'; Jacketed.....9326

Digesters

1 Rotary Jacketed Steel Digester, 6'x13' 9725/D
1 Bartlett Snow Steel Digester; 6'x18' 8675
4 Cast Steel Digesters; 54"x9'; Jacketed Agitated.....8675/C
3 Steel Digesters; 5'x13'9"; hinged, bolted covers..... 108

Dryers, Coolers, Kilns

1 Gehnrich Gas Fired Truck Type Dryer; 36"x68"x82".....930D/14
1 Devine Rotary Vac. Dryer; 3'x25' 9127/S3
1 Devine Rotary Vac. Dryer; 5'x30' 8422
1 Buffalo Vac. Drum Dryer; 24"x20' 9776/N2
8 Mosser Rotary Kilns; 7'6"x60'..8579
1 Gehnrich Festoon Type Dryer; 56"x9'7"x20'6" 8671
1 Buffalo Jktd. & Agt. Vac. Pan Dryer; closed type, 6' dia..... 675
1 Buffalo and Devine 6' Pan Dryer; open type; 6' dia.....9725/C

Evaporators

2 Swenson 6' Cast Iron Evaporators with jet condensers.....9882
1 Zahn Evaporator or De-Alcoholizer, 15" dia. x 12' high; 5 H.P. motor..... 487
1 Aluminum Jacketed Vacuum Evaporator; 40"x58".....9908/H3
1 Copper Jacketed Vacuum Evaporator; 30"x50".....9908/H2
1 Pfaudler Glass Lined Jacketed Evaporating Dish; 28"x10".....9704
1 Pfaudler 300 Gal. Glass Lined, Jacketed and Agitated Open Top Evaporator; 5'x2' 760
1 Stokes Copper Vacuum Evaporator; 5' dia. x 5'; complete..... 357

Continued—Last Column Opposite Page

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Wanted: Complete set of Beilstein as published by Edward Bros., including all volumes and indexes. OPD 468.

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5—DRY POWDER MIXERS, various sizes. To 3000 lbs.

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8—RUBBER LINED Rectangular Tanks; 7—500-gal.; 1—150 gal.

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1—Devine Vacuum shelf Dryer, 8 shelves 40" x 42", complete with Stokes H.V. pump, condenser.

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2—70"x30" RUGGLES COLES DIRECT HEAT ROTARY DRYERS, Type A-9.

9—Direct heat ROTARY DRYERS, 4'x30', 5'x30', 70"x30', 6'x60'.

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1—Battery of 2—3' x 5' TYLER HUMMER SCREENS, 3 deck with motor generator.

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10—Anderson No. 1 Oil Expellers, with 7½ H.P. A.C. motors. Excellent condition.

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6—PEBBLE MILLS, 1—6'x5' Burrstone Lined; 1—32"x42" Rubber Lined; 4—30 gal. porcelain lined Other Sizes.

2—24"x24", Jeffrey single ROLL CRUSHERS.

6—RAYMOND PULVERIZERS; 4-Roll Low Side; No. 3, No. 2, No 0000.

3—Hardinge BALL MILLS, 4'6"x16", 5'x22"; also 6'x12' Rod Mill.

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6—Dopp C.I. Jacketed KETTLES, 25 gal. to 100 gal.; 30—steel, cast iron, jack. up to 2000 gal.

1—Shriver Iron FILTER PRESS, 42"x42", 30 chambers.

3—50 gal. copper steam jacketed VACUUM PANS. Other sizes up to 750 gal.

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Machinery and Equipment of small PAINT PLANT—Roller Mills, Stone Mills, Paste Mixers, Change Can Mixers, etc. Send for details.

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1—400 gal. horiz. rubber lined MIXER.

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3—150 gal. aluminum TANKS, cone bottom.

1—Stokes No. 21 GRANULATING MIXER 50 lb. belt driven.

2—Jones Automatic CARTONERS.

2—Anderson PACKAGING UNITS.

1—Stokes Rotary DDs TABLET MACHINE, 23 punch, maximum 1¼"; 1—Stokes 0 single punch, up to ¾"; 2—Stokes N single punch ½".

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1—Portable Revolvator 1000 lb., 11' overall height, m.d.

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9—Copper & ALUMINUM steam jack. KETTLES, 50 to 500 gal. Some with agitator.

1—30" COPPER COATING PAN.

1—Bucket Elevator, steel enclosed—78', c. c. including smaller elevators, screw conveyors, etc.

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1—Scott Evaporator, Quadruple Effect, Approx. 2,500 sq. ft. per effect.
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1—Buflovak 5' x 6' Atmospheric Drum Dryer.
2—Horizontal Stainless Steel Tanks, 3,000 gals.
6—Roller Mills—Kent 4 Roll, 18" x 32" High Speed; Ross 3 Roll 12" x 30".
2—Stokes Rotary BB Tablet Machines.
1—5 Roll Raymond Mill, complete with Fan, Piping, and Motors.
2—Rotex Sifters, 20" x 80" Triple Deck; 20" x 48" Single Deck.
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1,000 ft. of Lamson & Matthews Heavy Duty Roller Conveyor, 22" and 20".
1—500 gal. Pfaudler Glass-Lined Jktd. Agtd. Kettle.
1—125 gal. Pfaudler Glass-Lined Jacketed Kettle.
1—125 gal. Alum. Jktd. Kettle.
10—Copper Jktd. Kettles, 25 to 150 gal
3—Steel Jktd. Kettles, 600 to 1,200 gal., some agitated.
2—80 and 125 gal. Dopp Jacketed, Agitated Kettles.
1—Copper Varnish Kettle, 175 gal.
2—1,750 gal. Lead Lined Closed Tanks.
1—Lancaster 30" dia. Batch Mixer.
3—Powder Mixers, 100 to 800 lb.
2—Day Imperial Double Arm Mixers, 20 and 50 gal.
1—Howes 24" x 12' Powder Mixer.
12—Lead Mixers, 80, 100 gal.
4—Rubber - Lined Pebble Mills, 3' x 3', 2' x 3'.
1—Williams No. 1 Hammer Mill.
2—Kent 20" Tandem Stone Mills.
1—Filler Machine Co. 6 Spout Filler.
1—Kiefer No. 3 Visco Filler.
1—Stokes Style "F" Single Punch Tablet Machine, ¾".
5—World, Ermold, National Labelers.
1—60 gal. CAST SEMI-STEEL Autoclave, agitated, 3" wall.
6—Shriver, Sperry Filter Presses, 36", 32", 30", 24", 18".
5—Shriver Wood Filter Press Skeletons, 24" to 42".
3—Sharples No. 6 Presurtite, De Laval No. 600 Clarifiers.
2—Tolhurst 32", 40" Suspended type, Bottom Discharge Centrifugals, solid baskets.
5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.
3—Buflovak Vacuum Drum Dryers, 48" x 40", 5' x 6'.
3—Atmos. Drum Dryers, 4' x 9', 5' x 7'.
6—Copper and Steel Va. Pans, 50 to 750 gal.
2—Swenson Continuous Crystallizers, 24" x 30'.
1—Devine 10" x 10" Two Stage Vacuum Pump.
3—Condensers, 50 to 200 sq. ft.

Partial List only. Your inquiries solicited. Send us your lists of surplus equipment.

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Magnesium carbonate, technical, 11,300 pounds, packed in 50-pound paper bags. Bid promptly, if interested. Offered subject to prior sale. Reply OPD 462.

DDT—Four (4) 100-pound bags; one (1) 80-pound bag, 55c. per pound. OPD 470.

For Sale—50 drums of rosin oil. First-class condition, never been used. Farnen Synthetic Products Company, 253 W. Preston street, Baltimore, Maryland.

MATERIALS WANTED

Will purchase your surplus stock of chemicals, drugs, oils, waxes, dyes, solvents. Are you overstocked due to formula change or government cancellations? Write fully. Will make immediate offer. OPD 428.

Paradichlorbenzene wanted in crystals or nuggets any size. Will buy small or large quantities C. O. D. OPD 370.

To Manufacturers and Jobbers—Are you overstocked? We require immediately large or small lots, many items, chemicals, pharmaceuticals, solvents, aromatics, waxes, other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 437.

POSITIONS VACANT

Young man wanted with technical background to sell solvents in New York metropolitan area. Reply with full information to OPD 449.

Wanted: Chemist for medium-sized growing plant near Boston, must have experience in formulation of industrial lacquers and alkyd enamels. Give full particulars in first letter. OPD 447.

LIQUIDATION

WET GRINDING PLANT

1—Chrystie 80"x45' Rot. Dryer.
1—Oliver 8'x10' Rot. Vac. Filter.
1—Hardinge 6'x48" Conical Mill.
1—Tube Mill, 5'x15'.
2—Dorr 15' Bowl Classifiers.
1—Sturtevant 30" Rock Emery Mill.
1—Williams Hammer Mill, 24" D. x 12" F.
30—Centrifugal & Rotary Pumps.
SEND FOR BULLETIN L 25

2—Batteries (9 & 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.
1—No. 6 Sharples 2 H.P. Centrifuge.
25—New Stainless Steel Tanks, 150 to 1,000 gals.
3—Pfaudler Glass-Lined tanks, 35 & 65 gals.
2—150 gal Copper Jack. Kettles
800-ft. Ball Bearing Roller Conveyor, 12" & 15" wide, 10-ft. lengths.
1—Day 100-lb. Powder Mixer.
12—Filter Presses, Iron, Wood and Rubber 18" to 42" sq.
1—P. & S. 12 Truck Atmos. Dryer.
3—Tolhurst 26" & 40" Centrifugals.
5—0000 and No. 0 Raymond Mills.
2—Bonnot 27" dia. Iron Filter Presses.
12—Vertical, jacketed, agitated kettles & Autoclaves up to 1,500 gals.
2—250 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—20, 35, 75 & 250 gal. closed, agit. jacketed Copper Kettles.
1—Dopp 50 gal. Jacketed Kettle.
15—50 gal. Steel Tanks, Nettco Drives.
2—Cherry - Burrel Homogenizers, 300 GPH.
2—Blystone 2,000 lb. jacketed, horiz. Paddle Type Steel Mixers.
6—Horizontal Mixers, 20 to 100 gals., Single & Double Arm.
1—Faust 150 gal. jack. Spiral Mixer.
1—Howe Barrel & Bag Packer.
2—4,000 gal. vert. Acid Proof Tanks.
3—Devine Horiz Vac. Pumps, 8"x6"x4"x6".
2—Wall Vac. Pumps, 4"x2½".
1—Devine No. 37X, Vert. Condenser & Receiver.
1—Oliver 14"x8" Duplex Vac. Pump.
1—Penn Vac. Pump, 14"x5".
1—National Acme Model C20, stainless steel Centrifuge.
2—De Laval Multiple Clarifiers, 300 & 301.
1—De Laval Separator, Lab. size.
1—Ross 2 Roll Granite Stone Mill. 8"x12".
1—Ross 16"x40", 3 Roll Mill.
3—Double Stand Steel 4. Roller Mills, 7"x18" to 7½"x30".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers, 50 & 60 gals.
3—Copper Varnish Kettles, 200 gals.
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2—Double Roll Crushers.
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 2 H.P.
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Synthetic Enamel and lacquer formulators: We need one or two expert formulators for industrial and automotive finishes. Must be able to formulate quickly and accurately on either synthetic enamels or lacquers, or both. Also must supervise production of first batches on new formulations. Located in Southeast. Give full details in first letter including education, experience and salary desired. OPD 445.

Chemist, familiar with production of synthetic organic detergents. To take charge of plant and research. Excellent proposition offered. Write stating full qualifications. All replies in confidence. OPD 420.

Chemist or chemical engineer—age 25 to 30—some experience or educational background in lacquer formulation and testing. Good working conditions, excellent opportunity. Write personnel department, Brunswick - Balke - Collender Co., Muskegon, Mich.

We need a chemical engineer who has had considerable experience in soaps, vegetable oils, and fats, to take charge of production and development. Salary in proportion to accomplishment and ability. OPD 443.

Wanted—Graduate chemist for research on gravure printing ink. Experience in this or related fields, such as lacquers, required. Eastern location. Give full particulars including salary required. OPD 451.

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4—Sharples STAINLESS STEEL No. 16V Super Centrifuges with 2 HP AC Motors and Starters. Units barely two years old.

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1—Buffalo 3' Jack. Open Crystalizer.
1—Ross 4 Pass Continuous Belt Dryer, 68' long.
1—Fletcher 12" M.D. Extractor.
1—Kiefer Visco Filler 2-32 oz. Cap.
1—B&B Hyd. Press 200 ton Cap., 13" Ram.
1—Day 200 gal. Jack. Mixer M.D.

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1 Oakley & Keating 24" lead lined curb with copper tinned basket. 180
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2 Auger Type Fillers; 1 semi-automatic; 1 fully automatic with conveyor; Stokes and Smith; American Bond Seale.....Stock
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1 Kelly Pressure Filter No. 450; 5" spacing; 450 sq. ft.....6380
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1 Pfaudler Glass Lined Agitated Jacketed 200 gal.....9666
6 Steel Jacketed and Agitated 1000 gal. Kettles; 5'x8'.....698/H1
10 Steel Jacketed and Agitated 100 gal. Kettles; 34"x34".....698/H18
1 Steel Jacketed and Agitated Kettle, manhole type; 450 gal. 48"x6' 663

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1 W. & P. Lab. Size 2 gal. Unjktd. Mixer; double Z arms: 15"x8"x-11" 933
1 W. & P. 250 Gal. Double Fish Tail Blades; Unjacketed.....9090
2 J. H. Day 175 Gal. Jktd. Mixers; cross paddle type.....9137
3 Hobart, Reid, Century 3 and 4 speed 80 qt. Mixers.....Stock
7 Dough Mixers, Jacketed and Unjacketed; 1 to 4 BBL.....Stock

Still
1 3000 Gal. Glass-Lined Sectional Still with Jacketed Cone Bottom. 9725/F2

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1 Mikro Pulverizer No. 4 with 75 H.P. and screw feed 8889
1 Raymond No. 00 Mill with 35 H.P. motor.....97/F106
1 Williams Type NF 20 Hammer Mill.....9083

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We are looking for a man who is experienced in making urea-formaldehyde products. It will be necessary to set up a plant for manufacture along these lines. OPD 456.

Chemist, with some practical experience in lacquer and synthetic coatings, for wood, metal and textiles. Excellent opportunity for a capable man, looking to the future, to connect with a growing organization. Metropolitan area. OPD 459.

Process control engineer, preferably with some experience in plastics or plastics coating, for setting coating procedures, redesigning equipment, and act as liaison man between laboratory and production. Good opportunity with a progressive company. OPD 467.

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A man of proven executive ability with wide and diversified experience in domestic and foreign markets supported by more than 25 years' successful association with chemical industry offers his services as sales manager, executive administrator or kindred responsibility. Throughout the war and now engaged in administration of contracts involving millions of dollars with concurrent responsibilities for large aircraft manufacturer. Services can be made available promptly. Earning capacity substantial. Location, New York City. Confidential personal interview respectfully solicited. OPD 454.

Position wanted in West Coast paint or allied industry. Experienced in purchasing, sales, shipping, costs, etc. Write for complete details. OPD 457.

Pharmaceutical chemist, two degrees, progressive, practical, all-around experience managing and supervising small plant, desires connection. Experience includes pharmaceutical assays, manufacture of liquids, ointments and cosmetics, packaging, personnel supervision. Prefer Philadelphia area. OPD 458.

Paint, varnish, lacquer and resin chemist desires position as technical director or equivalent with small, medium sized organization, preferably West Coast or Mid-West. Exceptional experience and outstanding record of practical developments; 12 years' development, production and utilization of all types of protective coatings and resins; especially experienced in development and production of alkyd resins. Graduate work equivalent to M.S.; married. OPD 460.

Chemical Engineer, B. Ch. E. 1933. Experienced in production supervision and process engineering in fine chemical and heavy chemical industries. Age 33. Successful record. Desires similar position of greater responsibility. New York, Philadelphia, Baltimore areas preferred. OPD 461.

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Petroleum Additives Research Progress Told

New, longer-lasting motor oils developed by wartime research will enable automobile engines to run smoothly even in extreme heat or cold, Dr. P. V. Keyser, jr., research director of the Socony-Vacuum Laboratories at Paulsboro, N. J., declared tonight at a meeting of the Texas-Louisiana Section of the American Chemical Society November 20. The improved oils are made, Dr. Keyser explained, by adding small amounts of chemical agents to give them the desired new properties.

Research with petroleum additives also has produced better fuels and better oils for airplane and diesel engines, he said, predicting a $100,000,000 market from lubricating oil additives alone within three to five years."

Clorox Chemical Company, San Francisco, has elected B. J. Feigenbaum vice-president.

Velsicol Corp. Adds Three to Sales Staff

Velsicol Corporation, manufacturer of insecticides, synthetic resins, aromatic solvents and other petroleum derivatives, Chicago, has added to its sales staff Paul Eisenhuth, J. Newton Hall, and Arthur H. Carnes. Mr. Eisenhuth, who will be in charge of sales of aromatic solvents was formerly associated with the War Production Board, previous to which he was associated with the Sherwin-Williams Company and the Standard Ultramarine Company. Mr. Hall, before joining the War Production Board in 1942, was formerly associated with Cities Service Company. He will be Eastern sales manager for all of the Velsicol products. Mr. Carnes, who will be Midwest district sales manager for all Velsicol products, was for twenty years division sales manager for the Stanco Distributing Company, subsidiary of the Standard Oil Company of New Jersey.

Yarnall Paint Adds Two to Technical Staff

F. M. McNerney and P. J. Howell have been added to the technical staff of the Yarnall Paint Company, Philadelphia. Mr. McNerney was formerly associated with the Pecora Paint Company and the Armstrong Company of Detroit. Mr. Howell has been with the George D. Wetherill Company, the Keystone Refining Company and the Socony-Vacuum Oil Company.

Phillips Petroleum Names Thomas to Research Post

Ross W. Thomas has been appointed executive assistant to G. G. Oberfell with the title of manager of research and development, according to K. S. Adams, president of Phillips Petroleum Company, Bartlesville, Okla. George R. Benz succeeds Mr. Thomas as manager of the chemical products department. Mr. Thomas has been with the Phillips organization since 1926, and Mr. Benz started with the Phillips organization in 1925.

Springdale Shellac Names Sales Agent

The Springdale Shellac Company, Springdale, Conn., has named Cothran C. Graves as sales representative in the Scuth Eastern States. Mr. Graves maintains offices in the Mortgage Guarantee building, Atlanta, Ga. The Springdale Shellac Company is the successor to the Marx & Rawolle Corporation.

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Shriver Filter 24″, open del., 25-plates, cast iron.
Patterson Pebble Mill, 24″ x 36″, lined.
Oram Barrel Hoop Driver.
Sterilizers or Pressure Cookers (new), 18″ x 18″ on steel legs with gasoline burner, clamp down cover, safety valves and gauge—$75.00 each.
Electric Immersion Heaters, 115 V, 500 Watt (new), $15.00 each.
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